

| | DBs | Time Stamp | Comments | Error Definition |
|---|-----------------|-------------------|-----------------|-----------------------------|
| 1 | USPAT; US-PGPUB | 2003/02/04 16:10 | | |
| 2 | USPAT; US-PGPUB | 2003/02/04 16:11 | | |
| 3 | USPAT; US-PGPUB | 2003/02/04 16:11 | | |
| 4 | USPAT; US-PGPUB | 2003/02/04 16:11 | | |
| 5 | USPAT; US-PGPUB | 2003/02/04 16:11 | | |
| 6 | USPAT; US-PGPUB | 2003/02/04 16:36 | | |
| 7 | USPAT; US-PGPUB | 2003/02/04 16:33 | | |
| 8 | USPAT; US-PGPUB | 2003/02/04 16:33 | | |
| 9 | USPAT; US-PGPUB | 2003/02/04 16:36 | | |

| | Type | Hits | Search Text |
|---|------|--------|--|
| 1 | BRS | 249862 | synchroni\$6 |
| 2 | BRS | 58 | (qam with vsb) same synchroni\$6 |
| 3 | BRS | 1 | "4878228".PN. |
| 4 | BRS | 64686 | tuner or tuning |
| 5 | BRS | 65 | (qam with vsb) same (tuner or tuning) |
| 6 | BRS | 322 | qam with vsb |
| 7 | BRS | 151 | (qam with vsb) and synchroni\$6 and (tuner or tuning) |
| 8 | BRS | 46 | "5724091" |
| 9 | BRS | 171 | (qam with vsb) not ((qam with vsb) and synchroni\$6 and (tuner or tuning)) |

5600672 OR 5,600,672

LEXIS-NEXIS
Library: PATENT
File: CASES

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5600672 OR 5,600,672

LEXIS-NEXIS
Library: PATENT
File: JNLS

Your search request has found no ITEMS.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

1/6 LGST (1/1) - (C) LEGSTAT

PN - US 5600672 [US5600672]

AP - US 240521/94 19940510 [1994US-0240521]

DT - US-P

ACT - 19940510 US/AE-A

APPLICATION DATA (PATENT)

{US 240521/94 19940510 [1994US-0240521]}

- 19961010 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, KADOMA OSAKA, JAPAN 571

* OSHIMA, MITSUAKI : 19960910; SAKASHITA, SEIJI : 19960910

- 19970204 US/A

PATENT

- 19990420 US/RF

REISSUE APPLICATION FILED

19990204

- 20001114 US/RF

REISSUE APPLICATION FILED

20000915

- 20001128 US/RF

REISSUE APPLICATION FILED

20001012

UP - 2000-48

2/6 CRXX (1/1) - (C) CLAIMS/RRX

AN - 2810695

PN - 5,600,672 A 19970204 [US5600672]

PA - Matsushita Electric Industrial Co Ltd JP

PT - E (Electrical)

ACT - 19990204 REISSUE REQUESTED

Issue Date of O.G.: 19990420

Reissue Request Number: 09/244037

Examination Group responsible for Reissue process: 2614

- 20000915 REISSUE REQUESTED

Issue Date of O.G.: 20001114

Reissue Request Number: 09/662695

Examination Group responsible for Reissue process: 2614

- 20000919 REISSUE REQUESTED

Issue Date of O.G.: 20001114

Reissue Request Number: 09/666012

Examination Group responsible for Reissue process: 2614

- 20000921 REISSUE REQUESTED

Issue Date of O.G.: 20001114

Reissue Request Number: 09/667438

Examination Group responsible for Reissue process: 2614

- 20000921 REISSUE REQUESTED

Issue Date of O.G.: 20010102

Reissue Request Number: 09/667525

Examination Group responsible for Reissue process: 2614

- 20001005 REISSUE REQUESTED

Issue Date of O.G.: 20001128

Reissue Request Number: 09/678014

Examination Group responsible for Reissue process: 2614

- 20001005 REISSUE REQUESTED
Issue Date of O.G.: 20001226
Reissue Request Number: 09/677420
Examination Group responsible for Reissue process: 2614
- 20001005 REISSUE REQUESTED
Issue Date of O.G.: 20001226
Reissue Request Number: 09/677421
Examination Group responsible for Reissue process: 2614
- 20001012 REISSUE REQUESTED
Issue Date of O.G.: 20001128
Reissue Request Number: 09/686464
Examination Group responsible for Reissue process: 2614
- 20001012 REISSUE REQUESTED
Issue Date of O.G.: 20001128
Reissue Request Number: 09/688028
Examination Group responsible for Reissue process: 2614
- 20001012 REISSUE REQUESTED
Issue Date of O.G.: 20010102
Reissue Request Number: 09/686463
Examination Group responsible for Reissue process: 2614
- 20001012 REISSUE REQUESTED
Issue Date of O.G.: 20010102
Reissue Request Number: 09/686466
Examination Group responsible for Reissue process: 2614
- 20001012 REISSUE REQUESTED
Issue Date of O.G.: 20010102
Reissue Request Number: 09/686467
Examination Group responsible for Reissue process: 2614

UP - 1999-00
UACT- 2001-01-02

3/6 PAST (1/4) - (C) PAST
AN - 200052-001219
PN - 5600672 A [US5600672]
DT - A (UTILITY)
OG - 2000-12-26
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

4/6 PAST (2/4) - (C) PAST
AN - 200048-001217
PN - 5600672 A [US5600672]
DT - A (UTILITY)
OG - 2000-11-28
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

5/6 PAST (3/4) - (C) PAST
AN - 200046-001214
PN - 5600672 A [US5600672]
DT - A (UTILITY)
OG - 2000-11-14
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

6/6 PAST (4/4) - (C) PAST
AN - 199916-001183
PN - 5600672 A [US5600672]
DT - A (UTILITY)
OG - 1999-04-20
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

Feb. 4, 1997

Communication system

REISSUE: Reissue Application Filed Oct. 12, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/686,467

Reissue Application Filed Oct. 12, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/686,466

Reissue Application Filed Oct. 12, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/686,463

Reissue Application Filed Sep. 21, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/667,525

Reissue Application filed Oct. 5, 2000 (O.G. Dec. 26, 2000) Ex. Gp.: 2614; Re. S.N. 09/677,420

Reissue Application filed Oct. 12, 2000 (O.G. Nov. 28, 2000) Ex. Gp.: 2614; Re. S.N. 09/688,028

Reissue Application filed Oct. 12, 2000 (O.G. Nov. 28, 2000) Ex. Gp.: 2614; Re. S.N. 09/686,464

Reissue Application filed Oct. 5, 2000 (O.G. Nov. 28, 2000) Ex. Gp.: 2614; Re. S.N. 09/678,014

Reissue Application filed Sep. 21, 2000 (O.G. Nov. 14, 2000) Ex. Gp.: 2614; Re. S.N. 09/667,438

Reissue Application filed Sep. 19, 2000 (O.G. Nov. 14, 2000) Ex. Gp.: 2614; Re. S.N. 09/666,012

Reissue Application filed Sep. 15, 2000 (O.G. Nov. 14, 2000) Ex. Gp.: 2614; Re. S.N. 09/662,695

LEXIS-NEXIS
Library: PATENT
File: ALL

Reissue Application filed Sep. 15, 2000 (O.G. Nov. 14, 2000) Ex. Gp.: 2614;
Re. S.N. 09/662,695

Reissue Application filed Feb. 4, 1999 (O.G. Apr. 20, 1999) Ex. Gp.: 2614;
Re. S.N. 09/244,037

CORE TERMS: stream, digital, carrier, transmitter, video, reproduced, decoder,
input, channel, transmitted...

1/9/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
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14464905

Basic Patent (No,Kind,Date): EP 506400 A2 19920930 <No. of Patents: 237>

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9335520 A1 19930930

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
19920925

Applic (No,Kind,Date): AU 9335520 A 19930326

IPC: * H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40;
H04N-005/455; H04L-027/34; G11B-020/12

Language of Document: English

Patent (No,Kind,Date): AU 9459052 A1 19941020

COMPATIBLE HDTV SATELLITE BROADCASTING SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A
19930510; JP 93261612 A 19930924; JP 93349972 A 19931227

Applic (No,Kind,Date): AU 9459052 A 19940325

IPC: * H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455;
H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00

Derwent WPI Acc No: ; G 94-342258

Language of Document: English

Patent (No,Kind,Date): AU 655539 B2 19941222

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
19920925

Applic (No,Kind,Date): AU 9335520 A 19930326

IPC: * H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40;
H04N-005/455; H04L-027/34; G11B-020/12

Derwent WPI Acc No: * G 93-305235; G 94-103292

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): AU 660123 B2 19950608

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A
19930510; JP 93261612 A 19930924

Applic (No,Kind,Date): AU 9459052 A 19940325

IPC: * H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455;
H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00

Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258

Language of Document: English

CANADA (CA)

Patent (No,Kind,Date): CA 2092495 AA 19930927

COMMUNICATION SYSTEM (English; French)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
19920925

Applic (No,Kind,Date): CA 2092495 A 19930325

IPC: * H04B-007/24; H04N-005/76; H04N-009/80

Language of Document: English

Patent (No,Kind,Date): CA 2106919 AA 19940326

COMMUNICATION SYSTEM (English; French)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): CA 2106919 A 19930924
 IPC: * H04J-004/00
 Derwent WPI Acc No: * G 93-305235
 Language of Document: English
 Patent (No,Kind,Date): CA 2113842 AA 19940722
 RECORDING AND REPRODUCING APPARATUS (English; French)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): CA 2113842 A 19940119
 IPC: * G11B-007/24; G11B-007/125; G11B-005/10
 Derwent WPI Acc No: * G 93-313529
 Language of Document: English
 Patent (No,Kind,Date): CA 2113877 AA 19940722
 INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English; French)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): CA 2113877 A 19940120
 IPC: * G11B-007/24; G11B-007/26
 Derwent WPI Acc No: * G 93-313529
 Language of Document: English
 Patent (No,Kind,Date): CA 2119983 AA 19940926
 COMMUNICATION SYSTEM (English; French)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
 Applic (No,Kind,Date): CA 2119983 A 19940325
 IPC: * H04N-007/12
 Derwent WPI Acc No: * G 94-103292
 Language of Document: English
 Patent (No,Kind,Date): CA 2226398 AA 19940722
 INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English; French)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): USHIGOME HISASHI (JP); KOMODA HIDEAKI (JP); OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): CA 2113877 A3 19940120; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): CA 2226398 A 19940120
 IPC: * G11B-007/00; G11B-007/28
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451
 Language of Document: English

CHINA (CN)

Patent (No,Kind,Date): CN 1066946 A 19921209
 DIGITAL COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): MITSUAKI OSHIMA (JP)
 Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A 19910723
 Applic (No,Kind,Date): CN 92102955 A 19920327
 IPC: * H04B-001/00; H04N-007/13
 Derwent WPI Acc No: * G 92-325674

Language of Document: Chinese
 Patent (No,Kind,Date): CN 1075024 A 19930804
 RECORDING/REPRODUCING EQUIPMENT (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9213809 A 19920129; JP 92280874 A 19920925
 Applic (No,Kind,Date): CN 93100918 A 19930128
 IPC: * G11B-011/00
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1076816 A 19930929
 SYSTEM OF COMMUNICATION (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): TAISHIMA MITSUTERU (JP)
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92246070 A 19920925
 Applic (No,Kind,Date): CN 93102721 A 19930325
 IPC: * H04B-007/00; H04N-007/12; H04N-011/00
 Derwent WPI Acc No: * G 93-305235
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1085680 A 19940420
 RECORD REPLAYING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIO (JP); SHIMIZU RYOSUKE (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211
 Applic (No,Kind,Date): CN 93105219 A 19930326
 IPC: * G11B-013/04
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451
 JAPIO Reference No: * 180121P000165; 180264P000063; 180522P000136; 180618P000070
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1096389 A 19941214
 RECORDING AND REPRODUCING APPTS. (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A 19931119
 Applic (No,Kind,Date): CN 94101055 A 19940121
 IPC: * G11B-011/12
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1098810 A 19950215
 APPARATUS FOR REGENERATION OF RECORDING AND RECORDING MEDIUM AND MANUFACTURE OF SAME (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A 19931119
 Applic (No,Kind,Date): CN 94101336 A 19940121
 IPC: * G11B-007/24; G11B-011/12
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1099544 A 19950301
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93261612 A 19930924

Applic (No,Kind,Date): CN 94103352 A 19940325
 IPC: * H04N-007/08; H04L-027/32
 Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1119895 A 19960403
 OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
 REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL
 DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD
 (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 93335165 A 19931228; JP 94299508 A
 19941202
 Applic (No,Kind,Date): CN 94191566 A 19941228
 Derwent WPI Acc No: * G 95-246541
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1127049 A 19960717
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL
 INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
 Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A
 19941117
 Applic (No,Kind,Date): CN 95190313 A 19950418
 IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
 ; G11B-007/09
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
 96-268785
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1138915 A 19961225
 MARKING GENERATING APPTS., METHOD OF FORMING LASER MARKING ON OPTICAL
 DISK, REPRODUCING APPTS., OPTICAL DISK AND OPTICAL DISK PRODUCING
 METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC INDUSTRIAL (JP)
 Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHO GOTOH (JP)
 Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A
 19950202
 Applic (No,Kind,Date): CN 95191218 A 19951116
 IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12
 Derwent WPI Acc No: * G 95-373939; G 96-268785
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1166223 A 19971126
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL PRODUCING DEVICE, ENCRYPTED
 COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM
 (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIO GOTOH (JP); SHINICHI
 TANAKA (JP)
 Priority (No,Kind,Date): JP 96211304 A 19960809; JP 95261247 A
 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): CN 96191182 A 19961008
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1173942 A 19980218
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED
 COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM
 (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIO GOTOH (JP);
 SHINICHI TANAKA (JP)
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
 19960123
 Applic (No,Kind,Date): CN 96191826 A 19960515
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Chinese
 Patent (No,Kind,Date): CN 1250278 A 20000412

TELECOMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): MITSUTERU DAIJIMA (JP)

Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924

Applic (No,Kind,Date): CN 99108470 A 19990616

IPC: * H04J-001/00; H04L-027/00; H04N-011/24

Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258

Language of Document: Chinese

Patent (No,Kind,Date): CN 1032099 B 19960619

SYSTEM OF COMMUNICATION (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): TAISHIMA MITSUTERU (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): CN 93102721 A 19930325

IPC: * H04B-007/00; H04N-007/12; H04N-011/00

Derwent WPI Acc No: * G 93-305235; G 94-103292

JAPIO Reference No: * 180486E000144

Language of Document: Chinese

Patent (No,Kind,Date): CN 1036952 B 19980107

RECORD REPLAYING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): MITSUAKI OSHIMA (JP); MICHIRO TANAKA (JP); RYOSUKE SHIMIZU (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211

Applic (No,Kind,Date): CN 93105219 A 19930326

IPC: * G11B-013/04

Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451

JAPIO Reference No: * 180121P000165; 180264P000063; 180522P000136; 180618P000070

Language of Document: Chinese

Patent (No,Kind,Date): CN 1045036 B 19990908

TRANSMISSION APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): MITSUAKI OSHIMA (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A 19910723; JP 91155650 A 19910529; JP 9195813 A 19910425

Applic (No,Kind,Date): CN 92102955 A 19920327

IPC: * H04B-001/00; H04N-007/13

Derwent WPI Acc No: * G 92-325674; G 97-195354

JAPIO Reference No: * 180152E000002

Language of Document: Chinese

GERMANY (DE)

Patent (No,Kind,Date): DE 69223541 C0 19980129

SIGNALUEBERTRAGUNGSSYSTEM (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): DE 69223541 A 19920326

IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354

JAPIO Reference No: * 180152E000002

Language of Document: German

Patent (No,Kind,Date): DE 69610859 C0 20001207

OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): DE 69610859 A 19960515
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
 Patent (No,Kind,Date): DE 69610860 C0 20001207
 OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICKKODES TRAEGT
 (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
 19960123
 Applic (No,Kind,Date): DE 69610860 A 19960515
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
 Patent (No,Kind,Date): DE 69610861 C0 20001207
 OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
 19960123
 Applic (No,Kind,Date): DE 69610861 A 19960515
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: German
 Patent (No,Kind,Date): DE 69223541 T2 19980409
 SIGNALUEBERTRAGUNGSSYSTEM (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A
 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
 9260739 A 19920317
 Applic (No,Kind,Date): DE 69223541 A 19920326
 IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354
 JAPIO Reference No: * 180152E000002
 Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

| | | | | |
|-------------|---|--------------|----------|--|
| DE 69223541 | P | 19980129 | DE REF | CORRESPONDS TO (ENTSPRICHT) |
| | | EP 506400 P | 19980129 | |
| DE 69223541 | P | 19980409 | DE 8373 | TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN) |
| DE 69223541 | P | 19990121 | DE 8364 | NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE) |
| DE 69610859 | P | 20001207 | DE REF | CORRESPONDS TO (ENTSPRICHT) |
| | | EP 1003162 P | 20001207 | |
| DE 69610860 | P | 20001207 | DE REF | CORRESPONDS TO (ENTSPRICHT) |
| | | EP 1005034 P | 20001207 | |
| DE 69610861 | P | 20001207 | DE REF | CORRESPONDS TO (ENTSPRICHT) |
| | | EP 1005035 P | 20001207 | |

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 562875 A1 19930929

MULTIRESOLUTION QAM SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 93302369 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/34; H04N-007/13
Derwent WPI Acc No: ; G 93-305235
Language of Document: English

Patent (No,Kind,Date): EP 617531 A1 19940928
MULTIRESOLUTION TRANSMISSION SYSTEM. (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924
Applic (No,Kind,Date): EP 94302149 A 19940324
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/34; H04L-005/06; H04L-027/18; H04N-007/13
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258; G 94-311606
Language of Document: English

Patent (No,Kind,Date): EP 689200 A1 19951227
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK, REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD (English; French; German)
Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)
Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202
Applic (No,Kind,Date): EP 95904033 A 19941228
Designated States: (National) DE; FR; GB; IT
IPC: * G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939
Language of Document: English

Patent (No,Kind,Date): EP 706174 A1 19960410
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203
Applic (No,Kind,Date): EP 95915345 A 19950418
Designated States: (National) DE; FR; GB; NL
IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06; G11B-007/09
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785
Language of Document: English

Patent (No,Kind,Date): EP 741382 A1 19961106
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009
Applic (No,Kind,Date): EP 95938017 A 19951116
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12
Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G

97-236119

Language of Document: English

Patent (No,Kind,Date): EP 802527 A1 19971022

OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 96932845 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 807929 A1 19971119

OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 96915172 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 971345 A1 20000112

OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK RECORDING DEVICE (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA M (JP); KONISHI SHINICHI (JP); TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)

Priority (No,Kind,Date): WO 97JP4664 W 19971217; JP 96339304 A 19961219; JP 979318 A 19970122; JP 97259110 A 19970924

Applic (No,Kind,Date): EP 97949124 A 19971217

Designated States: (National) DE; FR; GB; IT; NL

IPC: * G11B-011/10; G11B-007/00; G06F-012/14

Derwent WPI Acc No: * G 98-363034

Language of Document: English

Patent (No,Kind,Date): EP 973335 A1 20000119

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723

Applic (No,Kind,Date): EP 99119278 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731; G 2000-108239

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975168 A1 20000126

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): EP 99119266 A 19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731; G 2000-184726
 JAPIO Reference No: * 180152E000002
 Language of Document: English
 Patent (No,Kind,Date): EP 975169 A1 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): EP 99121006 A 19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731; G 2000-184727
 JAPIO Reference No: * 180152E000002
 Language of Document: English
 Patent (No,Kind,Date): EP 975170 A1 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): EP 99121007 A 19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731; G 2000-184728
 JAPIO Reference No: * 180152E000002
 Language of Document: English
 Patent (No,Kind,Date): EP 975171 A1 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): EP 99121008 A 19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731; G 2000-118426
 JAPIO Reference No: * 180152E000002
 Language of Document: English
 Patent (No,Kind,Date): EP 975172 A1 20000126
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

19920317

Applic (No,Kind,Date): EP 99121024 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731; G 2000-184729
JAPIO Reference No: * 180152E000002
Language of Document: English

Patent (No,Kind,Date): EP 975173 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317

Applic (No,Kind,Date): EP 99121025 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731; G 2000-184730
JAPIO Reference No: * 180152E000002
Language of Document: English

Patent (No,Kind,Date): EP 975174 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317

Applic (No,Kind,Date): EP 99121026 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731; G 2000-184731
JAPIO Reference No: * 180152E000002
Language of Document: English

Patent (No,Kind,Date): EP 1003162 A1 20000524
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A
19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000103257 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English

Patent (No,Kind,Date): EP 1005023 A1 20000531
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED
INFORMATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A
19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): EP 2000102965 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): EP 1005024 A1 20000531
 OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED
 INFORMATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
 YOSHINARI (JP)
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
 Applic (No,Kind,Date): EP 2000102966 A 19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
 ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): EP 1005025 A1 20000531
 OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM
 (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
 YOSHINARI (JP)
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
 Applic (No,Kind,Date): EP 2000102967 A 19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
 ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): EP 1005026 A1 20000531
 OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND
 PROGRAM LICENSE SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
 YOSHINARI (JP)
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
 Applic (No,Kind,Date): EP 2000102968 A 19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
 ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): EP 1005027 A1 20000531
 OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND
 PROGRAM LICENSE SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
 YOSHINARI (JP)
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
 Applic (No,Kind,Date): EP 2000102969 A 19961008
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
 ; G06F-001/00; G11B-019/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): EP 1005028 A1 20000531
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION
 SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA

YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A
19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): EP 2000102971 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005033 A1 20000531
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000101774 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005034 A1 20000531
AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000101775 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005035 A1 20000531
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000104818 A 19960515
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1006516 A1 20000607
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000105014 A 19960515
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1006517 A1 20000607
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;

French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000106447 A 19960515
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1024478 A1 20000802
OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): EP 2000102970 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1028422 A1 20000816
AN OPTICAL DISK, AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000109898 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1028423 A1 20000816
AN OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000109899 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1030297 A1 20000823
AN OPTICAL DISK AND AN OPTICAL DISK RECORDING METHOD (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000110461 A 19960515
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;

IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1031974 A1 20000830
AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000112310 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1049334 A1 20001102
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317
Applic (No,Kind,Date): EP 2000114691 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04L-027/34; H04N-007/04
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 506400 A2 19920930
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
9260739 A 19920317
Applic (No,Kind,Date): EP 92302627 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/13; H04N-007/04
Derwent WPI Acc No: ; G 92-325674
Language of Document: English
Patent (No,Kind,Date): EP 555031 A2 19930811
RECORDING AND REPRODUCING APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A
19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP
92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A
19920925
Applic (No,Kind,Date): EP 93300695 A 19930129
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/00; G11B-011/10; G11B-013/04
Derwent WPI Acc No: ; G 93-251292
Language of Document: English
Patent (No,Kind,Date): EP 564187 A2 19931006
RECORDING AND REPRODUCING APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIO (JP);
SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)
Priority (No,Kind,Date): JP 9268031 A 19920326; JP 92111176 A
19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP
92282666 A 19921021; JP 92331300 A 19921211; JP 938596 A

19930121
 Applic (No,Kind,Date): EP 93302365 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04
 Derwent WPI Acc No: ; G 93-313529
 Language of Document: English
 Patent (No,Kind,Date): EP 589709 A2 19940330
 MULTIREOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A
 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 93307575 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18
 Derwent WPI Acc No: * G 93-305235
 Language of Document: English
 Patent (No,Kind,Date): EP 608126 A2 19940727
 INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English;
 French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);
 USHIGOME HISASHI (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): EP 94300403 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04; G11B-023/44
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
 95-116722; G 95-341616; G 96-062972; G 98-181451; C 94-236841
 Language of Document: English
 Patent (No,Kind,Date): EP 609013 A2 19940803
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
 TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);
 TANAKA MITIRO (JP); TAN SATOSHI (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): EP 94300402 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02
 ; G11B-023/00; G11B-023/36
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
 95-116722; G 95-341616; G 96-062972; G 98-181451; G 94-242360
 Language of Document: English
 Patent (No,Kind,Date): EP 609617 A2 19940810
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO
 MAKOTO (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A
 19930727; JP 92321063 A 19921201
 Applic (No,Kind,Date): EP 93309619 A 19931201
 Designated States: (National) BE; DE; FR; GB; NL
 IPC: * G06F-001/18
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
 95-116722; G 95-341616; G 96-062972; G 98-181451
 Language of Document: English
 Patent (No,Kind,Date): EP 637016 A2 19950201
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): EP 94305557 A 19940727
 Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL
 IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00; G11B-023/28
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 95-116722
 Language of Document: English
 Patent (No,Kind,Date): EP 766478 A2 19970402
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): EP 96119060 A 19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 97-195354
 JAPIO Reference No: * 180152E000002
 Language of Document: English
 Patent (No,Kind,Date): EP 833319 A2 19980401
 DISC-SHAPED RECORDING MEDIUM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)
 Priority (No,Kind,Date): EP 94300402 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): EP 97118775 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 98-181451
 Language of Document: English
 Patent (No,Kind,Date): EP 844611 A2 19980527
 OPTICAL DISK (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)
 Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): EP 98100524 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-020/00; G11B-013/04; G11B-007/007; G11B-007/24
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451
 Language of Document: English
 Patent (No,Kind,Date): EP 844612 A2 19980527
 APPARATUS FOR REPRODUCING INFORMATION FROM AN OPTICAL DISC (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)
 Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): EP 98100525 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-020/00; G11B-013/04; G11B-007/24; G11B-007/007
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
 95-116722; G 95-341616; G 96-062972; G 98-181451
 Language of Document: English
 Patent (No,Kind,Date): EP 1035693 A2 20000913
 MULTIREOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
 (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114572 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
 ; H04N-007/24
 Derwent WPI Acc No: ; G 2000-595507
 Language of Document: English
 Patent (No,Kind,Date): EP 1035694 A2 20000913
 MULTIREOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114573 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-005/44
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1035695 A2 20000913
 MULTIREOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
 (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114575 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1035696 A2 20000913
 MULTIREOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114577 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/34; H04L-027/26; H04L-027/18; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
 94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G
 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G
 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G
 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1035697 A2 20000913

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
 (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114578 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/34; H04L-027/18; H04L-027/26; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1035698 A2 20000913
 MUTLIREOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114579 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/34; H04L-027/26; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1039672 A2 20000927
 MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
 (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114576 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
 Derwent WPI Acc No: ; G 2000-589072
 Language of Document: English
 Patent (No,Kind,Date): EP 1039673 A2 20000927
 MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114689 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
 Derwent WPI Acc No: ; G 2000-589073
 Language of Document: English
 Patent (No,Kind,Date): EP 1039674 A2 20000927
 MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A

19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114690 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: ; G 2000-589074
 Language of Document: English
 Patent (No,Kind,Date): EP 1039675 A2 20000927
 MULTIREOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 ; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114692 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: ; G 2000-589075
 Language of Document: English
 Patent (No,Kind,Date): EP 1039676 A2 20000927
 MULTIREOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
 (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114694 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: ; G 2000-589076
 Language of Document: English
 Patent (No,Kind,Date): EP 1039677 A2 20000927
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH
 MULTICARRIER MODULATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114696 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: ; G 2000-589077
 Language of Document: English
 Patent (No,Kind,Date): EP 1039678 A2 20000927
 MULTIREOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS
 (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114697 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507; G 2000-580985
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): EP 1039679 A2 20000927
 MULTIREOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 ; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114698 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: ; G 2000-589078
 Language of Document: English

Patent (No,Kind,Date): EP 1039680 A2 20000927
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
 MULTICARRIER MODULATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114699 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507; G 2000-580986
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): EP 1039681 A2 20000927
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH
 MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114701 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/34
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507; G 2000-580987
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): EP 1039682 A2 20000927
 MULTIREOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
 (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114702 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507; G 2000-580988
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): EP 1045541 A2 20001018
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
 MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114700 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): EP 1049282 A2 20001102
 MULTIREOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;
 German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114574 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/34; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): EP 1049283 A2 20001102
 MULTIREOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 ; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114693 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): EP 1049284 A2 20001102
 MULTIREOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 ; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114695 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144

Language of Document: English
 Patent (No,Kind,Date): EP 1050879 A2 20001108
 RECORDING AND REPRODUCING APPARATUS WITH MEANS FOR ENCRYPTION OF
 INFORMATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 94305557 A3 19940727; JP 93205682 A
 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP
 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): EP 2000115017 A 19940727
 Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL
 IPC: * G11B-020/00; G06F-001/00; G11B-007/00; G11B-013/04; G11B-019/02
 ; G11B-023/28
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451
 Language of Document: English
 Patent (No,Kind,Date): EP 506400 A3 19930526
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)
 Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A
 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
 9260739 A 19920317
 Applic (No,Kind,Date): EP 92302627 A 19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/13; H04N-007/04
 Derwent WPI Acc No: * G 92-325674
 Language of Document: English
 Patent (No,Kind,Date): EP 555031 A3 19951115
 RECORDING AND REPRODUCING APPARATUS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A
 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP
 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A
 19920925
 Applic (No,Kind,Date): EP 93300695 A 19930129
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/00; G11B-011/10; G11B-013/04
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
 180522P000136; 180618P000070
 Language of Document: English
 Patent (No,Kind,Date): EP 564187 A3 19951206
 RECORDING AND REPRODUCING APPARATUS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIO (JP);
 SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A
 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP
 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A
 19921211
 Applic (No,Kind,Date): EP 93302365 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
 94-242360; G 95-341616; G 96-062972; G 98-181451
 JAPIO Reference No: * 180121P000165; 180264P000063; 180522P000136;
 180618P000070
 Language of Document: English
 Patent (No,Kind,Date): EP 589709 A3 19940928
 MULTIREOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (DE); MATSUSHITA
 ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A

19930510; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 93307575 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 608126 A3 19951129
 INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English;
 French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);
 USHIGOME HISASHI (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): EP 94300403 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04; G11B-023/44
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
 95-116722; G 95-341616; G 96-062972; G 98-181451
 Language of Document: English
 Patent (No,Kind,Date): EP 609013 A3 19951129
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
 TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);
 TANAKA MITIRO (JP); TAN SATOSHI (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): EP 94300402 A 19940119
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02
 ; G11B-023/00; G11B-023/36
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
 95-116722; G 95-341616; G 96-062972; G 98-181451
 Language of Document: English
 Patent (No,Kind,Date): EP 609617 A3 19961211
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO
 MAKOTO (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A
 19930727; JP 92321063 A 19921201
 Applic (No,Kind,Date): EP 93309619 A 19931201
 Designated States: (National) BE; DE; FR; GB; NL
 IPC: * G06F-001/18
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
 95-116722; G 95-341616; G 96-062972; G 98-181451
 Language of Document: English
 Patent (No,Kind,Date): EP 637016 A3 19950830
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A
 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP
 93314114 A 19931119
 Applic (No,Kind,Date): EP 94305557 A 19940727
 Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL
 IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00
 ; G11B-023/28
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451

Language of Document: English
 Patent (No,Kind,Date): EP 766478 A3 20000119
 SIGNAL TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): EP 96119060 A 19920326
 Designated States: (National) DE; FR; GB; NL
 IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
 Derwent WPI Acc No: * G 92-325674; G 97-195354
 JAPIO Reference No: * 180152E000002
 Language of Document: English
 Patent (No,Kind,Date): EP 1035693 A3 20001206
 MULTIREOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114572 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1035694 A3 20001206
 MULTIREOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114573 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1035695 A3 20001206
 MULTIREOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114575 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1035696 A3 20001206
 MULTIREOLUTION TRANSMISSION SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114577 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035697 A3 20001206
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): EP 2000114578 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035698 A3 20001206
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): EP 2000114579 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039672 A3 20001206
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): EP 2000114576 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039673 A3 20001206

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114689 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039674 A3 20001206
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114690 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039675 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114692 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039676 A3 20001206
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114694 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English

Patent (No,Kind,Date): EP 1039677 A3 20001206
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH
 MULTICARRIER MODULATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114696 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): EP 1039678 A3 20001206
 MULTIREOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS
 (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114697 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): EP 1039679 A3 20001206
 MULTIREOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 ; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114698 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): EP 1039680 A3 20001206
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
 MULTICARRIER MODULATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114699 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G

2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1039681 A3 20001206
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH
 MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114701 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1039682 A3 20001206
 MULTIREOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS
 (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114702 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1045541 A3 20001206
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
 MULTICARRIER SIGNALS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114700 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1049282 A3 20001206
 MULTIREOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;
 German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): EP 2000114574 A 19930924
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049283 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114693 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049284 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114695 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 689200 A4 19960529
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL
DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)
Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A
19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP
94156089 A 19940707; JP 94299508 A 19941202
Applic (No,Kind,Date): EP 95904033 A 19941228
Designated States: (National) DE; FR; GB; IT
IPC: * G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00;
G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939
Language of Document: English
Patent (No,Kind,Date): EP 706174 A4 19970702
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL
INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English;
French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP
9515318 A 19950201; JP 9516865 A 19950203
Applic (No,Kind,Date): EP 95915345 A 19950418

Designated States: (National) DE; FR; GB; NL
IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
; G11B-007/09
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
96-268785
Language of Document: English
Patent (No,Kind,Date): EP 741382 A4 19970702
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON
OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK
PRODUCING METHOD (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A
19941117; JP 9516153 A 19950202; JP 95261247 A 19951009
Applic (No,Kind,Date): EP 95938017 A 19951116
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12
Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
97-236119
Language of Document: English
Patent (No,Kind,Date): EP 802527 A4 19971210
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
YOSHINARI (JP)
Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A
19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): EP 96932845 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 807929 A4 19971210
Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 96915172 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English; French; German
Patent (No,Kind,Date): EP 506400 B1 19971217
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
9260739 A 19920317
Applic (No,Kind,Date): EP 92302627 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 1003162 B1 20001102
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000103257 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): EP 1005034 B1 20001102
 AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): EP 2000101775 A 19960515
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): EP 1005035 B1 20001102
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): EP 2000104818 A 19960515
 Designated States: (National) DE; FR; GB
 IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

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|-----------|---|----------|-------|--|--------------------------------|
| EP 506400 | P | 19910327 | EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | | | JP 9162798 A 19910327 | |
| EP 506400 | P | 19910425 | EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | | | JP 9195813 A 19910425 | |
| EP 506400 | P | 19910529 | EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | | | JP 91155650 A 19910529 | |
| EP 506400 | P | 19910723 | EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | | | JP 91182236 A 19910723 | |
| EP 506400 | P | 19920317 | EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | | | JP 9260739 A 19920317 | |
| EP 506400 | P | 19920326 | EP AE | EP-APPLICATION | (EUROPAEISCHE ANMELDUNG) |
| | | | | EP 92302627 A 19920326 | |
| EP 506400 | P | 19920930 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) | |
| | | | | DE FR GB NL | |
| EP 506400 | P | 19920930 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) | |
| EP 506400 | P | 19930526 | EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) | |

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| | | DE FR GB NL | |
| EP 506400 | P | 19930526 EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 506400 | P | 19940112 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931117 |
| EP 506400 | P | 19960110 EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 951127 |
| EP 506400 | P | 19970402 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 766478 P |
| EP 506400 | P | 19971217 EP AK | DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) DE FR GB NL |
| EP 506400 | P | 19971217 EP B1 | PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 506400 | P | 19971217 EP DX | MISCELLANEOUS: (DELETED) (DIVERSES: (GELOESCHT)) |
| EP 506400 | P | 19980129 EP REF | CORRESPONDS TO: (ENTSPRICHT) DE 69223541 P 19980129 |
| EP 506400 | P | 19980320 EP ET | FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP 506400 | P | 19981209 EP 26N | NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) |
| EP 506400 | P | 20000119 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 973335 P |
| EP 506400 | P | 20000126 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975168 P |
| EP 506400 | P | 20000126 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975169 P |
| EP 506400 | P | 20000126 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975170 P |
| EP 506400 | P | 20000126 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975171 P |
| EP 506400 | P | 20000126 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975172 P |
| EP 506400 | P | 20000126 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975173 P |
| EP 506400 | P | 20000126 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975174 P |
| EP 506400 | P | 20001102 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049334 P |
| EP 555031 | P | 19920129 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | P | JP 9213809 A 19920129 | |
| EP 555031 | P | 19920228 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | P | JP 9242558 A 19920228 | |
| EP 555031 | P | 19920309 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

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| EP 555031 | P | JP 9250328 A 19920309 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | P | JP 9268031 A 19920326 19920430 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | P | JP 92111176 A 19920430 19920722 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | P | JP 92194450 A 19920722 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 555031 | P | JP 92280874 A 19920925 19930129 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 555031 | P | EP 93300695 A 19930129 19930811 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 555031 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19930811 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 555031 | P | 19930811 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 930206 |
| EP 555031 | P | 19951115 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 555031 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19951115 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 555031 | P | 19970402 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 970214 |
| EP 555031 | P | 19981223 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 980626 |
| EP 562875 | P | JP 9250328 A 19920309 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 562875 | P | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 562875 | P | JP 92256070 A 19920925 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 562875 | P | EP 93302369 A 19930326 19930929 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 562875 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19930929 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER |

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| | | | ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 562875 | P | 19930929 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 930403 |
| EP 562875 | P | 19960417 EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 960306 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114689 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114690 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114692 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114693 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114694 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114695 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114696 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114697 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114698 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114699 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114700 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114701 A 20000708 |
| EP 562875 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114702 A 20000708 |
| EP 562875 | P | 20000927 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039673 P |
| EP 562875 | P | 20000927 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039674 P |
| EP 562875 | P | 20000927 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039675 P |

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| EP 562875 | P | 20000927 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1039676 | P |
| EP 562875 | P | 20000927 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1039677 | P |
| EP 562875 | P | 20000927 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1039678 | P |
| EP 562875 | P | 20000927 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1039679 | P |
| EP 562875 | P | 20000927 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1039680 | P |
| EP 562875 | P | 20000927 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1039681 | P |
| EP 562875 | P | 20000927 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1039682 | P |
| EP 562875 | P | 20001018 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1045541 | P |
| EP 562875 | P | 20001102 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1049283 | P |
| EP 562875 | P | 20001102 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1049284 | P |
| EP 564187 | P | 19920326 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9268031 | A 19920326 |
| EP 564187 | P | 19920430 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92111176 | A 19920430 |
| EP 564187 | P | 19920722 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92194450 | A 19920722 |
| EP 564187 | P | 19920925 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92280874 | A 19920925 |
| EP 564187 | P | 19921021 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92282666 | A 19921021 |
| EP 564187 | P | 19921211 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92331300 | A 19921211 |
| EP 564187 | P | 19930121 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 938596 | A 19930121 |
| EP 564187 | P | 19930326 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 93302365 | A 19930326 |
| EP 564187 | P | 19931006 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 564187 | P | 19931006 | EP A2 | PUBLICATION OF APPLICATION |

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| | | | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 564187 | P | 19931006 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 930403 |
| EP 564187 | P | 19951206 EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 564187 | P | 19951206 EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 564187 | P | 19970402 EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 970214 |
| EP 564187 | P | 19980225 EP 18D | DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 970826 |
| EP 589709 | P | 19920925 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 A 19920925 |
| EP 589709 | P | 19930325 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9366461 A 19930325 |
| EP 589709 | P | 19930510 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93132984 A 19930510 |
| EP 589709 | P | 19930924 EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 93307575 A 19930924 |
| EP 589709 | P | 19940330 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 589709 | P | 19940330 EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 589709 | P | 19940330 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931002 |
| EP 589709 | P | 19940928 EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 589709 | P | 19940928 EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 589709 | P | 19970102 EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 961115 |
| EP 589709 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 2000114572 A 20000707 |
| EP 589709 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |

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| | | | 76) IN: (KORR.)) |
| | | EP 2000114573 A | 20000707 |
| EP 589709 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) | (TEILANMELDUNG (ART. |
| | | 76) IN: (KORR.)) | |
| | | EP 2000114574 A | 20000707 |
| EP 589709 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) | (TEILANMELDUNG (ART. |
| | | 76) IN: (KORR.)) | |
| | | EP 2000114575 A | 20000707 |
| EP 589709 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) | (TEILANMELDUNG (ART. |
| | | 76) IN: (KORR.)) | |
| | | EP 2000114576 A | 20000707 |
| EP 589709 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) | (TEILANMELDUNG (ART. |
| | | 76) IN: (KORR.)) | |
| | | EP 2000114577 A | 20000707 |
| EP 589709 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) | (TEILANMELDUNG (ART. |
| | | 76) IN: (KORR.)) | |
| | | EP 2000114578 A | 20000707 |
| EP 589709 | P | 20000830 EP RAHF | DIVISIONAL APPLICATION (ART |
| | | 76) IN: (CORRECTION) | (TEILANMELDUNG (ART. |
| | | 76) IN: (KORR.)) | |
| | | EP 2000114579 A | 20000707 |
| EP 589709 | P | 20000913 EP AH | DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | EP 1035693 P | |
| EP 589709 | P | 20000913 EP AH | DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | EP 1035694 P | |
| EP 589709 | P | 20000913 EP AH | DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | EP 1035695 P | |
| EP 589709 | P | 20000913 EP AH | DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | EP 1035696 P | |
| EP 589709 | P | 20000913 EP AH | DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | EP 1035697 P | |
| EP 589709 | P | 20000913 EP AH | DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | EP 1035698 P | |
| EP 589709 | P | 20000927 EP AH | DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | EP 1039672 P | |
| EP 589709 | P | 20001102 EP AH | DIVISIONAL APPLICATION (ART. |
| | | 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | EP 1049282 P | |
| EP 608126 | P | 19930121 EP AA | PRIORITY (PATENT |
| | | APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 938596 A | 19930121 |
| EP 608126 | P | 19930325 EP AA | PRIORITY (PATENT |
| | | APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 9392219 A | 19930325 |
| EP 608126 | P | 19930409 EP AA | PRIORITY (PATENT |
| | | APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 93107423 A | 19930409 |
| EP 608126 | P | 19930727 EP AA | PRIORITY (PATENT |
| | | APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 93205682 A | 19930727 |
| EP 608126 | P | 19931102 EP AA | PRIORITY (PATENT |
| | | APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |

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| EP 608126 | P | JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 608126 | P | JP 93314114 A 19931119 19940119 EP AE EP-APPLICATION (EUROPÄISCHE ANMELDUNG) |
| EP 608126 | P | EP 94300403 A 19940119 19940727 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 608126 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19940727 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VERÖFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 608126 | P | 19940727 EP 17P REQUEST FOR EXAMINATION FILED (PRÜFUNGSANTRAG GESTELLT) 940127 |
| EP 608126 | P | 19951129 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 608126 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19951129 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VERÖFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 608126 | P | 19970903 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRÜFUNGSBESCHEID) 970722 |
| EP 608126 | P | 19980527 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 844611 P |
| EP 608126 | P | 19980527 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 844612 P |
| EP 608126 | P | 19980729 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURÜCKGENOMMEN GELTEN) 980203 |
| EP 609013 | P | 19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 609013 | P | JP 938596 A 19930121 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 609013 | P | JP 9392219 A 19930325 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 609013 | P | JP 93107423 A 19930409 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 609013 | P | JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 609013 | P | JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 93314114 A 19931119 |

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| EP 609013 | P | 19940119 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 94300402 A | 19940119 |
| EP 609013 | P | 19940803 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 609013 | P | 19940803 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 609013 | P | 19940803 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 940127 |
| EP 609013 | P | 19951129 | EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 609013 | P | 19951129 | EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 609013 | P | 19970903 | EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 970722 |
| EP 609013 | P | 19980401 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 833319 P |
| EP 609013 | P | 19981223 | EP 18D | DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 980626 |
| EP 609617 | P | 19921201 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92321063 A | 19921201 |
| EP 609617 | P | 19930121 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 938596 A | 19930121 |
| EP 609617 | P | 19930727 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93205682 A | 19930727 |
| EP 609617 | P | 19931201 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 93309619 A | 19931201 |
| EP 609617 | P | 19940810 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | BE DE FR GB NL | |
| EP 609617 | P | 19940810 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 609617 | P | 19940810 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931214 |
| EP 609617 | P | 19961211 | EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | BE DE FR GB NL | |
| EP 609617 | P | 19961211 | EP A3 | SEPARATE PUBLICATION OF THE |

SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

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| EP 609617 | P | 19971203 | EP 18D | DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 970612 |
| EP 617531 | P | 19930325 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9366461 | A 19930325 |
| EP 617531 | P | 19930510 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93132984 | A 19930510 |
| EP 617531 | P | 19930924 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93261612 | A 19930924 |
| EP 617531 | P | 19940324 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 94302149 | A 19940324 |
| EP 617531 | P | 19940928 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 617531 | P | 19940928 | EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 617531 | P | 19940928 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 940402 |
| EP 617531 | P | 19970102 | EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 961115 |
| EP 617531 | P | 19971217 | EP 18D | DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 970527 |
| EP 637016 | P | 19930727 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93205682 | A 19930727 |
| EP 637016 | P | 19931102 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93297504 | A 19931102 |
| EP 637016 | P | 19931119 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93314114 | A 19931119 |
| EP 637016 | P | 19940418 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 94104879 | A 19940418 |
| EP 637016 | P | 19940707 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 94156089 | A 19940707 |
| EP 637016 | P | 19940727 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 94305557 | A 19940727 |
| EP 637016 | P | 19950201 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |

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| EP 637016 | P | 19950201 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 637016 | P | 19950201 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 940805 |
| EP 637016 | P | 19950830 | EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) BE CH DE FR GB IT LI NL |
| EP 637016 | P | 19950830 | EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 637016 | P | 19980408 | EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 980220 |
| EP 637016 | P | 20000913 | EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000115017 A 20000724 |
| EP 637016 | P | 20001108 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1050879 P |
| EP 689200 | P | 19931228 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 93335165 A 19931228 |
| EP 689200 | P | 19940120 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9422191 A 19940120 |
| EP 689200 | P | 19940418 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 94104879 A 19940418 |
| EP 689200 | P | 19940707 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 94156089 A 19940707 |
| EP 689200 | P | 19941202 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 94299508 A 19941202 |
| EP 689200 | P | 19941228 | EP AA | PCT-APPLICATION (PCT-ANMELDUNG) WO 94JP2304 W 19941228 |
| EP 689200 | P | 19941228 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 95904033 A 19941228 |
| EP 689200 | P | 19951227 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) DE FR GB IT |
| EP 689200 | P | 19951227 | EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 689200 | P | 19960207 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 951213 |
| EP 689200 | P | 19960529 | EP AK | DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) DE FR GB IT |
| EP 689200 | P | 19960529 | EP A4 | SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) |

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| EP 689200 | P | 19960605 | EP K1C1 | CORRECTION OF PATENT APPLICATION (TITLE PAGE) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (TITELSEITE) ERSCHIENEN) 951227 |
| EP 689200 | P | 19960605 | EP RAP1 | APPLICANT (CORRECTION) (ANMELDER (KORR.)) |
| EP 689200 | P | 19990120 | EP 17Q | MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 981204 |
| EP 706174 | P | 19940418 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 706174 | P | 19941117 | EP AA | JP 94104879 A 19940418 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 706174 | P | 19941228 | EP AA | JP 94283415 A 19941117 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 706174 | P | 19950201 | EP AA | JP 94327963 A 19941228 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 706174 | P | 19950203 | EP AA | JP 9515318 A 19950201 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 706174 | P | 19950418 | EP AA | JP 9516865 A 19950203 PCT-APPLICATION (PCT-ANMELDUNG) |
| EP 706174 | P | 19950418 | EP AE | WO 95JP760 W 19950418 EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 706174 | P | 19960410 | EP AK | EP 95915345 A 19950418 DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 706174 | P | 19960410 | EP A1 | DE FR GB NL PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 706174 | P | 19960410 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 951114 |
| EP 706174 | P | 19970702 | EP AK | DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 706174 | P | 19970702 | EP A4 | DE FR GB NL SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) |
| EP 706174 | P | 19991215 | EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 19991027 |
| EP 741382 | P | 19941117 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 741382 | P | 19950202 | EP AA | JP 94283415 A 19941117 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 741382 | P | 19951009 | EP AA | JP 9516153 A 19950202 PRIORITY (PATENT APPLICATION) |

| | | APPLICATION) | (PRIORITAET | (PATENTANMELDUNG)) |
|-----------|---|---|-------------|--------------------|
| EP 741382 | P | JP 95261247 A 19951009 | | |
| | | 19951116 EP AA PCT-APPLICATION | | |
| | | (PCT-ANMELDUNG) | | |
| EP 741382 | P | WO 95JP2339 W 19951116 | | |
| | | 19951116 EP AE EP-APPLICATION | | |
| | | (EUROPAEISCHE ANMELDUNG) | | |
| EP 741382 | P | EP 95938017 A 19951116 | | |
| | | 19961106 EP AK DESIGNATED CONTRACTING | | |
| | | STATES IN AN APPLICATION WITH SEARCH REPORT: | | |
| | | (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) | | |
| EP 741382 | P | DE FR GB | | |
| | | 19961106 EP A1 PUBLICATION OF APPLICATION | | |
| | | WITH SEARCH REPORT (VEROEFFENTLICHUNG DER | | |
| | | ANMELDUNG MIT RECHERCHENBERICHT) | | |
| EP 741382 | P | 19970108 EP 17P REQUEST FOR EXAMINATION | | |
| | | FILED (PRUEFUNGSANTRAG GESTELLT) | | |
| | | 961112 | | |
| EP 741382 | P | 19970702 EP AK DESIGNATED CONTRACTING | | |
| | | STATES MENTIONED IN A SUPPLEMENTARY SEARCH | | |
| | | REPORT: (IN EINEM ERGAENZENDEN | | |
| | | RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) | | |
| EP 741382 | P | DE FR GB | | |
| | | 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT | | |
| | | (ERGAENZENDER RECHERCHENBERICHT) | | |
| EP 741382 | P | 19990922 EP 17Q FIRST EXAMINATION REPORT | | |
| | | (ERSTER PRUEFUNGSBESCHIED) | | |
| | | 19990804 | | |
| EP 766478 | P | 19910327 EP AA PRIORITY (PATENT | | |
| | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 766478 | P | JP 9162798 A 19910327 | | |
| | | 19910425 EP AA PRIORITY (PATENT | | |
| | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 766478 | P | JP 9195813 A 19910425 | | |
| | | 19910529 EP AA PRIORITY (PATENT | | |
| | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 766478 | P | JP 91155650 A 19910529 | | |
| | | 19910723 EP AA PRIORITY (PATENT | | |
| | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 766478 | P | JP 91182236 A 19910723 | | |
| | | 19920317 EP AA PRIORITY (PATENT | | |
| | | APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 766478 | P | JP 9260739 A 19920317 | | |
| | | 19920326 EP AA DIVIDED OUT OF | | |
| | | (AUSSCHIEDUNG AUS) | | |
| EP 766478 | P | EP 92302627 A3 19920326 | | |
| | | 19920326 EP AE EP-APPLICATION | | |
| | | (EUROPAEISCHE ANMELDUNG) | | |
| EP 766478 | P | EP 96119060 A 19920326 | | |
| | | 19970402 EP AC DIVISIONAL APPLICATION (ART. | | |
| | | 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | | |
| | | EP 506400 P | | |
| EP 766478 | P | 19970402 EP AK DESIGNATED CONTRACTING | | |
| | | STATES IN AN APPLICATION WITHOUT SEARCH | | |
| | | REPORT: (IN EINER ANMELDUNG OHNE | | |
| | | RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) | | |
| EP 766478 | P | DE FR GB NL | | |
| | | 19970402 EP A2 PUBLICATION OF APPLICATION | | |
| | | WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER | | |

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|-----------|---|----------|---|
| | | | ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 766478 | P | 19991124 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 99119266 A 19990928 |
| EP 766478 | P | 19991124 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 99119278 A 19990928 |
| EP 766478 | P | 19991215 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 99119266 A 19990928 |
| EP 766478 | P | 19991215 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 99119278 A 19990928 |
| EP 766478 | P | 19991215 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 99121006 A 19991021 |
| EP 766478 | P | 19991215 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 99121007 A 19991021 |
| EP 766478 | P | 19991215 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 99121008 A 19991021 |
| EP 766478 | P | 19991215 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 99121024 A 19991021 |
| EP 766478 | P | 19991215 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 99121025 A 19991021 |
| EP 766478 | P | 19991215 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 99121026 A 19991021 |
| EP 766478 | P | 20000119 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 973335 P |
| EP 766478 | P | 20000119 | EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | DE FR GB NL |
| EP 766478 | P | 20000119 | EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 766478 | P | 20000126 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 975168 P |
| EP 766478 | P | 20000126 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 975169 P |
| EP 766478 | P | 20000126 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 975170 P |
| EP 766478 | P | 20000126 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 975171 P |
| EP 766478 | P | 20000126 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 975172 P |

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|-----------|---|----------|---------------|---|
| EP 766478 | P | 20000126 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 975173 | P |
| EP 766478 | P | 20000126 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 975174 | P |
| EP 766478 | P | 20000830 | EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | 975168 | |
| | | | EP 99119266 | A 19990928 |
| EP 766478 | P | 20000830 | EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | 973335 | |
| | | | EP 99119278 | A 19990928 |
| EP 766478 | P | 20000830 | EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | 975169 | |
| | | | EP 99121006 | A 19991021 |
| EP 766478 | P | 20000830 | EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | 975170 | |
| | | | EP 99121007 | A 19991021 |
| EP 766478 | P | 20000830 | EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | 975171 | |
| | | | EP 99121008 | A 19991021 |
| EP 766478 | P | 20000830 | EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | 975172 | |
| | | | EP 99121024 | A 19991021 |
| EP 766478 | P | 20000830 | EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | 975173 | |
| | | | EP 99121025 | A 19991021 |
| EP 766478 | P | 20000830 | EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | 975174 | |
| | | | EP 99121026 | A 19991021 |
| EP 766478 | P | 20000830 | EP RAHF | DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) |
| | | | EP 2000114691 | A 20000708 |
| EP 766478 | P | 20000913 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | | 20000719 | |
| EP 766478 | P | 20001102 | EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | | EP 1049334 | P |
| EP 802527 | P | 19951009 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 95261247 | A 19951009 |
| EP 802527 | P | 19960123 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 968910 | A 19960123 |
| EP 802527 | P | 19960809 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 96211304 | A 19960809 |

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| EP 802527 | P | 19961008 EP AA | PCT-APPLICATION (PCT-ANMELDUNG) |
| | | WO 96JP2924 W | 19961008 |
| EP 802527 | P | 19961008 EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | EP 96932845 A | 19961008 |
| EP 802527 | P | 19971022 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) |
| | | DE FR GB | |
| EP 802527 | P | 19971022 EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 802527 | P | 19971022 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | 970707 | |
| EP 802527 | P | 20000531 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | EP 1005023 P | |
| EP 802527 | P | 20000531 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | EP 1005024 P | |
| EP 802527 | P | 20000531 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | EP 1005025 P | |
| EP 802527 | P | 20000531 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | EP 1005026 P | |
| EP 802527 | P | 20000531 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | EP 1005027 P | |
| EP 802527 | P | 20000531 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | EP 1005028 P | |
| EP 802527 | P | 20000614 EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| | | 20000427 | |
| EP 802527 | P | 20000802 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |
| | | EP 1024478 P | |
| EP 807929 | P | 19951009 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 95261247 A | 19951009 |
| EP 807929 | P | 19960123 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 968910 A | 19960123 |
| EP 807929 | P | 19960515 EP AA | PCT-APPLICATION (PCT-ANMELDUNG) |
| | | WO 96JP1303 W | 19960515 |
| EP 807929 | P | 19960515 EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | EP 96915172 A | 19960515 |
| EP 807929 | P | 19971119 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) |
| | | DE FR GB | |
| EP 807929 | P | 19971119 EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 807929 | P | 19971119 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | 970918 | |
| EP 807929 | P | 19971210 EP AK | DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH |

REPORT: (IN EINEM ERGAENZENDEN
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

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| | | DE FR GB | |
| EP 807929 | P | 19990922 EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 19990804 |
| EP 807929 | P | 20000412 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000101774 A 20000128 |
| EP 807929 | P | 20000412 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000101775 A 20000128 |
| EP 807929 | P | 20000412 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000103257 A 20000217 |
| EP 807929 | P | 20000503 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000101774 A 20000128 |
| EP 807929 | P | 20000503 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000101775 A 20000128 |
| EP 807929 | P | 20000503 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000103257 A 20000217 |
| EP 807929 | P | 20000503 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000104818 A 20000306 |
| EP 807929 | P | 20000517 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000105014 A 20000309 |
| EP 807929 | P | 20000517 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000101774 A 20000128 |
| EP 807929 | P | 20000517 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000101775 A 20000128 |
| EP 807929 | P | 20000517 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000103257 A 20000217 |
| EP 807929 | P | 20000517 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000104818 A 20000306 |
| EP 807929 | P | 20000517 EP RAHF | DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000105014 A 20000309 |
| EP 807929 | P | 20000524 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1003162 P |
| EP 807929 | P | 20000531 EP AH | DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) |

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| | | | EP 1005033 P | |
| EP 807929 | P | 20000531 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1005034 P | |
| EP 807929 | P | 20000531 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1005035 P | |
| EP 807929 | P | 20000607 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1006516 P | |
| EP 807929 | P | 20000607 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1006517 P | |
| EP 807929 | P | 20000705 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1005033 | |
| | | | EP 2000101774 A 20000128 | |
| EP 807929 | P | 20000705 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1005034 | |
| | | | EP 2000101775 A 20000128 | |
| EP 807929 | P | 20000705 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1003162 | |
| | | | EP 2000103257 A 20000217 | |
| EP 807929 | P | 20000705 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1005035 | |
| | | | EP 2000104818 A 20000306 | |
| EP 807929 | P | 20000705 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1006516 | |
| | | | EP 2000105014 A 20000309 | |
| EP 807929 | P | 20000705 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1006517 | |
| | | | EP 2000106447 A 20000324 | |
| EP 807929 | P | 20000705 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | EP 2000109898 A 20000510 | |
| EP 807929 | P | 20000705 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | EP 2000109899 A 20000510 | |
| EP 807929 | P | 20000705 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | EP 2000110461 A 20000516 | |
| EP 807929 | P | 20000802 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1005033 | |
| | | | EP 2000101774 A 20000128 | |
| EP 807929 | P | 20000802 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1005034 | |
| | | | EP 2000101775 A 20000128 | |
| EP 807929 | P | 20000802 | EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |

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| | | | 1003162 | |
| | | | EP 2000103257 A 20000217 | |
| EP 807929 | P | 20000802 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1005035 | |
| | | | EP 2000104818 A 20000306 | |
| EP 807929 | P | 20000802 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1006516 | |
| | | | EP 2000105014 A 20000309 | |
| EP 807929 | P | 20000802 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | 1006517 | |
| | | | EP 2000106447 A 20000324 | |
| EP 807929 | P | 20000802 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | EP 2000109898 A 20000510 | |
| EP 807929 | P | 20000802 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | EP 2000109899 A 20000510 | |
| EP 807929 | P | 20000802 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | EP 2000110461 A 20000516 | |
| EP 807929 | P | 20000802 | EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) | |
| | | | EP 2000112310 A 20000608 | |
| EP 807929 | P | 20000816 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1028422 P | |
| EP 807929 | P | 20000816 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1028423 P | |
| EP 807929 | P | 20000823 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1030297 P | |
| EP 807929 | P | 20000830 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1031974 P | |
| EP 807929 | P | 20000906 | EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7G 11B 7/007 A, 7G 11B 7/24 B, 7G 06K 19/00 B, 7G 11B 20/10 B, 7G 11B 20/00 B, 7G 06F 1/00 B | |
| EP 807929 | P | 20000906 | EP RTI1 TITEL (CORRECTION) (TITEL (KORR.)) OPTICAL DISK PROVIDED WITH BAR CODE | |
| EP 807929 | P | 20001102 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1003162 P | |
| EP 807929 | P | 20001102 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1005034 P | |
| EP 807929 | P | 20001102 | EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) | |
| | | | EP 1005035 P | |
| EP 833319 | P | 19930121 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |
| | | | JP 938596 A 19930121 | |
| EP 833319 | P | 19930325 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | |

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| EP 833319 | P | JP 9392219 A 19930325 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 833319 | P | JP 93107423 A 19930409 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 833319 | P | JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 833319 | P | JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 833319 | P | JP 93314114 A 19931119 19940119 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 833319 | P | EP 94300402 A3 19940119 19940119 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 833319 | P | EP 97118775 A 19940119 19980401 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 833319 | P | EP 609013 P 19980401 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 833319 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19980401 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 833319 | P | 19980401 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 971029 |
| EP 833319 | P | 19980429 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; SHIMIZU, RYOSUKE ; KOUDO, TOSHIKAZU ; YOSHIURA, TSUKASA ; MATSUURA, TAKUMI ; TANAKA, MITIRO ; TAN, SATOSHI |
| EP 844611 | P | JP 938596 A 19930121 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844611 | P | JP 9392219 A 19930325 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844611 | P | JP 93107423 A 19930409 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844611 | P | JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 844611 | P | JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 93314114 A 19931119 |

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| EP 844611 | P | 19940119 | EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 94300403 A3 | 19940119 |
| EP 844611 | P | 19940119 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 98100524 A | 19940119 |
| EP 844611 | P | 19980527 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 608126 P | |
| EP 844611 | P | 19980527 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 844611 | P | 19980527 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 844611 | P | 19980527 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 980114 |
| EP 844612 | P | 19930121 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 938596 A | 19930121 |
| EP 844612 | P | 19930325 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9392219 A | 19930325 |
| EP 844612 | P | 19930409 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93107423 A | 19930409 |
| EP 844612 | P | 19930727 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93205682 A | 19930727 |
| EP 844612 | P | 19931102 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93297504 A | 19931102 |
| EP 844612 | P | 19931119 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93314114 A | 19931119 |
| EP 844612 | P | 19940119 | EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 94300403 A3 | 19940119 |
| EP 844612 | P | 19940119 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 98100525 A | 19940119 |
| EP 844612 | P | 19980527 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 608126 P | |
| EP 844612 | P | 19980527 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 844612 | P | 19980527 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 844612 | P | 19980527 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 980114 |

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| EP 971345 | P | 19961219 EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 96339304 A | 19961219 | |
| EP 971345 | P | 19970122 EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 979318 A | 19970122 | |
| EP 971345 | P | 19970924 EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 97259110 A | 19970924 | |
| EP 971345 | P | 19971217 EP AA | PCT-APPLICATION | (PCT-ANMELDUNG) |
| | | WO 97JP4664 W | 19971217 | |
| EP 971345 | P | 19971217 EP AE | EP-APPLICATION | (EUROPAEISCHE ANMELDUNG) |
| | | EP 97949124 A | 19971217 | |
| EP 971345 | P | 20000112 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: | (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) |
| | | DE FR GB IT NL | | |
| EP 971345 | P | 20000112 EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT | (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 971345 | P | 20000112 EP 17P | REQUEST FOR EXAMINATION FILED | (PRUEFUNGSANTRAG GESTELLT) |
| | | 19990719 | | |
| EP 973335 | P | 19910327 EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 9162798 A | 19910327 | |
| EP 973335 | P | 19910425 EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 9195813 A | 19910425 | |
| EP 973335 | P | 19910529 EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 91155650 A | 19910529 | |
| EP 973335 | P | 19910723 EP AA | PRIORITY (PATENT APPLICATION) | (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 91182236 A | 19910723 | |
| EP 973335 | P | 19920326 EP AA | DIVIDED OUT OF | (AUSSCHIEDUNG AUS) |
| | | EP 92302627 A3 | 19920326 | |
| EP 973335 | P | 19920326 EP AA | DIVIDED OUT OF | (AUSSCHIEDUNG AUS) |
| | | EP 96119060 A3 | 19920326 | |
| EP 973335 | P | 19920326 EP AE | EP-APPLICATION | (EUROPAEISCHE ANMELDUNG) |
| | | EP 99119278 A | 19920326 | |
| EP 973335 | P | 20000119 EP AC | DIVISIONAL APPLICATION (ART. 76) OF: | (TEILANMELDUNG (ART. 76) AUS:) |
| | | EP 506400 P | | |
| EP 973335 | P | 20000119 EP AC | DIVISIONAL APPLICATION (ART. 76) OF: | (TEILANMELDUNG (ART. 76) AUS:) |
| | | EP 766478 P | | |
| EP 973335 | P | 20000119 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: | (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) |
| | | DE FR GB NL | | |
| EP 973335 | P | 20000119 EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT | (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 973335 | P | 20000119 EP 17P | REQUEST FOR EXAMINATION | |

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| | | | FILED (PRUEFUNGSANTRAG GESTELLT) 19991015 |
| EP 973335 | P | 20001004 | EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL |
| EP 973335 | P | 20001115 | EP K1C3 CORRECTION OF PATENT APPLICATION (COMPLETE REPRINT) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (KOMPLETTNEUDRUCK) ERSCHIENEN) 20000119 |
| EP 973335 | P | 20001206 | EP RPR1 PRIORITY (CORRECTION) (PRIORITAET (KORR.)) JP 19910327 6279891 ; JP 19910425 9581391 ; JP 19910529 15565091 ; JP 19910723 18223691 ; JP 19920317 6073992 |
| EP 975168 | P | 19910327 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9162798 A 19910327 |
| EP 975168 | P | 19910425 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9195813 A 19910425 |
| EP 975168 | P | 19910529 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 91155650 A 19910529 |
| EP 975168 | P | 19910723 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 91182236 A 19910723 |
| EP 975168 | P | 19920317 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9260739 A 19920317 |
| EP 975168 | P | 19920326 | EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 92302627 A3 19920326 |
| EP 975168 | P | 19920326 | EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 96119060 A3 19920326 |
| EP 975168 | P | 19920326 | EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 99119266 A 19920326 |
| EP 975168 | P | 20000126 | EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P |
| EP 975168 | P | 20000126 | EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P |
| EP 975168 | P | 20000126 | EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) DE FR GB NL |
| EP 975168 | P | 20000126 | EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 975168 | P | 20000126 | EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991022 |
| EP 975168 | P | 20001011 | EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL |
| EP 975168 | P | 20001115 | EP K1C3 CORRECTION OF PATENT APPLICATION (COMPLETE REPRINT) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (KOMPLETTNEUDRUCK) ERSCHIENEN) 20000126 |

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| EP 975169 | P | 19910327 EP AA APPLICATION) | PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) |
| EP 975169 | P | JP 9162798 A 19910327 19910425 EP AA APPLICATION) | PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) |
| EP 975169 | P | JP 9195813 A 19910425 19910529 EP AA APPLICATION) | PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) |
| EP 975169 | P | JP 91155650 A 19910529 19910723 EP AA APPLICATION) | PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) |
| EP 975169 | P | JP 91182236 A 19910723 19920317 EP AA APPLICATION) | PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) |
| EP 975169 | P | JP 9260739 A 19920317 19920326 EP AA (AUSSCHEIDUNG AUS) | DIVIDED OUT OF |
| EP 975169 | P | EP 92302627 A3 19920326 19920326 EP AA (AUSSCHEIDUNG AUS) | DIVIDED OUT OF |
| EP 975169 | P | EP 96119060 A3 19920326 19920326 EP AE (EUROPAEISCHE ANMELDUNG) | EP-APPLICATION |
| EP 975169 | P | EP 99121006 A 19920326 20000126 EP AC 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | DIVISIONAL APPLICATION (ART. |
| EP 975169 | P | EP 506400 P 20000126 EP AC 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | DIVISIONAL APPLICATION (ART. |
| EP 975169 | P | EP 766478 P 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) | |
| EP 975169 | P | DE FR GB NL 20000126 EP A1 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) | PUBLICATION OF APPLICATION |
| EP 975169 | P | 20000126 EP 17P FILED (PRUEFUNGSANTRAG GESTELLT) 19991021 | REQUEST FOR EXAMINATION |
| EP 975169 | P | 20001011 EP AKX (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL | PAYMENT OF DESIGNATION FEES |
| EP 975170 | P | 19910327 EP AA APPLICATION) | PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) |
| EP 975170 | P | JP 9162798 A 19910327 19910425 EP AA APPLICATION) | PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) |
| EP 975170 | P | JP 9195813 A 19910425 19910529 EP AA APPLICATION) | PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) |
| EP 975170 | P | JP 91155650 A 19910529 19910723 EP AA APPLICATION) | PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) |
| EP 975170 | P | JP 91182236 A 19910723 19920317 EP AA APPLICATION) | PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) |

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| EP 975170 | P | JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 92302627 A3 19920326 |
| EP 975170 | P | 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 96119060 A3 19920326 |
| EP 975170 | P | 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 99121007 A 19920326 |
| EP 975170 | P | 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P |
| EP 975170 | P | 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P |
| EP 975170 | P | 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 975170 | P | DE FR GB NL 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 975170 | P | 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021 |
| EP 975170 | P | 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL |
| EP 975171 | P | 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975171 | P | JP 9162798 A 19910327 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975171 | P | JP 9195813 A 19910425 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975171 | P | JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975171 | P | JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975171 | P | JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 92302627 A3 19920326 |
| EP 975171 | P | 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 96119060 A3 19920326 |
| EP 975171 | P | 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 99121008 A 19920326 |
| EP 975171 | P | 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P |
| EP 975171 | P | 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P |
| EP 975171 | P | 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |

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| EP 975171 | P | 20000126 | EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 975171 | P | 20000126 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021 |
| EP 975171 | P | 20001011 | EP AKX | PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL |
| EP 975172 | P | 19910327 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975172 | P | 19910425 | EP AA | JP 9162798 A 19910327 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975172 | P | 19910529 | EP AA | JP 9195813 A 19910425 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975172 | P | 19910723 | EP AA | JP 91155650 A 19910529 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975172 | P | 19920317 | EP AA | JP 91182236 A 19910723 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975172 | P | 19920326 | EP AA | JP 9260739 A 19920317 DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 975172 | P | 19920326 | EP AA | EP 92302627 A3 19920326 DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 975172 | P | 19920326 | EP AE | EP 96119060 A3 19920326 EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 975172 | P | 20000126 | EP AC | EP 99121024 A 19920326 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P |
| EP 975172 | P | 20000126 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P |
| EP 975172 | P | 20000126 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) |
| EP 975172 | P | 20000126 | EP A1 | DE FR GB NL PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 975172 | P | 20000301 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021 |
| EP 975172 | P | 20001011 | EP AKX | PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL |
| EP 975173 | P | 19910327 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975173 | P | 19910425 | EP AA | JP 9162798 A 19910327 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 975173 | P | 19910529 | EP AA | JP 9195813 A 19910425 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

| | | APPLICATION) | (PRIORITAET | (PATENTANMELDUNG)) |
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| EP 975173 | P | JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 975173 | P | JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 975173 | P | JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) | | |
| EP 975173 | P | EP 92302627 A3 19920326 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) | | |
| EP 975173 | P | EP 96119060 A3 19920326 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) | | |
| EP 975173 | P | EP 99121025 A 19920326 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | | |
| EP 975173 | P | EP 506400 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | | |
| EP 975173 | P | EP 766478 P 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) | | |
| EP 975173 | P | DE FR GB NL 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) | | |
| EP 975173 | P | 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021 | | |
| EP 975173 | P | 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) | | |
| EP 975174 | P | DE FR GB NL 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 975174 | P | JP 9162798 A 19910327 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 975174 | P | JP 9195813 A 19910425 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 975174 | P | JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 975174 | P | JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 975174 | P | JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) | | |
| EP 975174 | P | EP 92302627 A3 19920326 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) | | |
| EP 975174 | P | EP 96119060 A3 19920326 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) | | |

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|------------|---|----------|--------|--|
| EP 975174 | P | 20000126 | EP AC | EP 99121026 A 19920326 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P |
| EP 975174 | P | 20000126 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P |
| EP 975174 | P | 20000126 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 975174 | P | 20000126 | EP A1 | DE FR GB NL PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 975174 | P | 20000126 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021 |
| EP 975174 | P | 20001011 | EP AKX | PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL |
| EP 1003162 | P | 19951009 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1003162 | P | 19960123 | EP AA | JP 95261247 A 19951009 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1003162 | P | 19960515 | EP AA | JP 968910 A 19960123 DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1003162 | P | 19960515 | EP AE | EP 96915172 A3 19960515 EP-APPLICATION (EUROPÄISCHE ANMELDUNG) |
| EP 1003162 | P | 20000524 | EP AC | EP 2000103257 A 19960515 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |
| EP 1003162 | P | 20000524 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1003162 | P | 20000524 | EP A1 | DE FR GB PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1003162 | P | 20000524 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000217 |
| EP 1003162 | P | 20000913 | EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20000725 |
| EP 1003162 | P | 20001102 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |
| EP 1003162 | P | 20001102 | EP AK | DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) |
| EP 1003162 | P | 20001102 | EP B1 | DE FR GB PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1003162 | P | 20001207 | EP REF | CORRESPONDS TO: (ENTSPRICHT) |
| EP 1005023 | P | 19951009 | EP AA | DE 69610859 P 20001207 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

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| EP 1005023 | P | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005023 | P | JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005023 | P | JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1005023 | P | EP 96932845 A3 19961008 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1005023 | P | EP 2000102965 A 19961008 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1005023 | P | EP 802527 P 20000531 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1005023 | P | DE FR GB 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005023 | P | 20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301 |
| EP 1005023 | P | 20001115 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI |
| EP 1005024 | P | JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005024 | P | JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005024 | P | JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1005024 | P | EP 96932845 A3 19961008 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1005024 | P | EP 2000102966 A 19961008 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1005024 | P | EP 802527 P 20000531 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1005024 | P | DE FR GB 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005024 | P | 20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301 |
| EP 1005024 | P | 20000927 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) |

OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,
SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;
TAKEMURA, YOSHINARI

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| EP 1005025 | P | 19951009 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 95261247 A | 19951009 |
| EP 1005025 | P | 19960123 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 968910 A | 19960123 |
| EP 1005025 | P | 19960809 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 96211304 A | 19960809 |
| EP 1005025 | P | 19961008 EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | EP 96932845 A3 | 19961008 |
| EP 1005025 | P | 19961008 EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | EP 2000102967 A | 19961008 |
| EP 1005025 | P | 20000531 EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | EP 802527 P | |
| EP 1005025 | P | 20000531 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | DE FR GB | |
| EP 1005025 | P | 20000531 EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005025 | P | 20000531 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | 20000301 | |
| EP 1005025 | P | 20001115 EP RIN1 | INVENTOR (CORRECTION) (ERFINDER (KORR.)) |
| | | OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI | |
| EP 1005026 | P | 19951009 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 95261247 A | 19951009 |
| EP 1005026 | P | 19960123 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 968910 A | 19960123 |
| EP 1005026 | P | 19960809 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | JP 96211304 A | 19960809 |
| EP 1005026 | P | 19961008 EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | EP 96932845 A3 | 19961008 |
| EP 1005026 | P | 19961008 EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | EP 2000102968 A | 19961008 |
| EP 1005026 | P | 20000531 EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | EP 802527 P | |
| EP 1005026 | P | 20000531 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | DE FR GB | |
| EP 1005026 | P | 20000531 EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |

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| EP 1005026 | P | 20000531 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301 |
| EP 1005026 | P | 20001115 | EP RIN1 | INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI |
| EP 1005026 | P | 20001129 | EP RTI1 | TITEL (CORRECTION) (TITEL (KORR.)) OPTICAL RECORDER |
| EP 1005027 | P | 19951009 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005027 | P | 19960123 | EP AA | JP 95261247 A 19951009 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005027 | P | 19960809 | EP AA | JP 968910 A 19960123 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005027 | P | 19961008 | EP AA | JP 96211304 A 19960809 DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1005027 | P | 19961008 | EP AE | EP 96932845 A3 19961008 EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1005027 | P | 20000531 | EP AC | EP 2000102969 A 19961008 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP 1005027 | P | 20000531 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1005027 | P | 20000531 | EP A1 | DE FR GB PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005027 | P | 20000531 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301 |
| EP 1005027 | P | 20001115 | EP RIN1 | INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI |
| EP 1005027 | P | 20001129 | EP RTI1 | TITEL (CORRECTION) (TITEL (KORR.)) OPTICAL RECORDER |
| EP 1005028 | P | 19951009 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005028 | P | 19960123 | EP AA | JP 95261247 A 19951009 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005028 | P | 19960809 | EP AA | JP 968910 A 19960123 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1005028 | P | 19961008 | EP AA | JP 96211304 A 19960809 DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1005028 | P | 19961008 | EP AE | EP 96932845 A3 19961008 EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |

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| | | | EP 2000102971 A 19961008 |
| EP 1005028 | P | 20000531 EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP 1005028 | P | 20000531 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) |
| | | | DE FR GB |
| EP 1005028 | P | 20000531 EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005028 | P | 20000531 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301 |
| EP 1005028 | P | 20001115 EP RIN1 | INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI |
| EP 1005028 | P | 20001129 EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20001013 |
| EP 1005033 | P | 19951009 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 95261247 A 19951009 |
| EP 1005033 | P | 19960123 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 968910 A 19960123 |
| EP 1005033 | P | 19960515 EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 96915172 A3 19960515 |
| EP 1005033 | P | 19960515 EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000101774 A 19960515 |
| EP 1005033 | P | 20000531 EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |
| EP 1005033 | P | 20000531 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) |
| | | | DE FR GB |
| EP 1005033 | P | 20000531 EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005033 | P | 20000531 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000128 |
| EP 1005034 | P | 19951009 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 95261247 A 19951009 |
| EP 1005034 | P | 19960123 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 968910 A 19960123 |
| EP 1005034 | P | 19960515 EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 96915172 A3 19960515 |
| EP 1005034 | P | 19960515 EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000101775 A 19960515 |
| EP 1005034 | P | 20000531 EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |

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| EP 1005034 | P | 20000531 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | | DE FR GB | |
| EP 1005034 | P | 20000531 | EP AX | ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| | | | AL;LT;LV;SI | |
| EP 1005034 | P | 20000531 | EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005034 | P | 20000531 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | | 20000128 | |
| EP 1005034 | P | 20000913 | EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| | | | 20000725 | |
| EP 1005034 | P | 20001102 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 807929 | P |
| EP 1005034 | P | 20001102 | EP AK | DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) |
| | | | DE FR GB | |
| EP 1005034 | P | 20001102 | EP B1 | PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 1005034 | P | 20001207 | EP REF | CORRESPONDS TO: (ENTSPRICHT) |
| | | | DE 69610860 | P 20001207 |
| EP 1005035 | P | 19951009 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 95261247 | A 19951009 |
| EP 1005035 | P | 19960123 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 968910 | A 19960123 |
| EP 1005035 | P | 19960515 | EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 96915172 | A3 19960515 |
| EP 1005035 | P | 19960515 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000104818 | A 19960515 |
| EP 1005035 | P | 20000531 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 807929 | P |
| EP 1005035 | P | 20000531 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1005035 | P | 20000531 | EP AX | ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN) |
| | | | AL;LT;LV;SI | |
| EP 1005035 | P | 20000531 | EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1005035 | P | 20000531 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | | 20000306 | |
| EP 1005035 | P | 20000913 | EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) |
| | | | 20000725 | |
| EP 1005035 | P | 20001102 | EP AC | DIVISIONAL APPLICATION (ART. |

76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1005035 P 20001102 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A PATENT SPECIFICATION:
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT
VERTRAGSSTAATEN)
DE FR GB

EP 1005035 P 20001102 EP B1 PATENT SPECIFICATION
(PATENTSCHRIFT)

EP 1005035 P 20001207 EP REF CORRESPONDS TO:
(ENTSPRICHT)
DE 69610861 P 20001207

EP 1006516 P 19951009 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009

EP 1006516 P 19960123 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1006516 P 19960515 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)

EP 96915172 A3 19960515

EP 1006516 P 19960515 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)

EP 2000105014 A 19960515

EP 1006516 P 20000607 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1006516 P 20000607 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE

EP 1006516 P 20000607 EP AX ERSTRECKUNG DES
EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON
BENENNUNGSGEBUEHREN)
AL;LT;LV;SI

EP 1006516 P 20000607 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1006516 P 20000607 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000309

EP 1006517 P 19951009 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009

EP 1006517 P 19960123 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1006517 P 19960515 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)

EP 96915172 A3 19960515

EP 1006517 P 19960515 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)

EP 2000106447 A 19960515

EP 1006517 P 20000607 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1006517 P 20000607 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE

| | | | | |
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| EP 1006517 | P | 20000607 | EP AX | ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN) AL;LT;LV;SI |
| EP 1006517 | P | 20000607 | EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1006517 | P | 20000607 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000324 |
| EP 1024478 | P | 19951009 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1024478 | P | 19960123 | EP AA | JP 95261247 A 19951009 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1024478 | P | 19960809 | EP AA | JP 968910 A 19960123 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1024478 | P | 19961008 | EP AA | JP 96211304 A 19960809 DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1024478 | P | 19961008 | EP AE | EP 96932845 A3 19961008 EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1024478 | P | 20000802 | EP AC | EP 2000102970 A 19961008 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P |
| EP 1024478 | P | 20000802 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1024478 | P | 20000802 | EP A1 | DE FR GB PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1024478 | P | 20000802 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301 |
| EP 1024478 | P | 20001115 | EP R1N1 | INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI |
| EP 1024478 | P | 20001129 | EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20001011 |
| EP 1028422 | P | 19951009 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1028422 | P | 19960123 | EP AA | JP 95261247 A 19951009 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1028422 | P | 19960515 | EP AA | JP 968910 A 19960123 DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1028422 | P | 19960515 | EP AE | EP 96915172 A3 19960515 EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1028422 | P | 20000816 | EP AC | EP 2000109898 A 19960515 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P |
| EP 1028422 | P | 20000816 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: |

(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

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| EP 1028422 | P | 20000816 | DE FR GB EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1028422 | P | 20000816 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000510 |
| EP 1028423 | P | 19951009 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1028423 | P | 19960123 | JP 95261247 A EP AA | 19951009 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1028423 | P | 19960515 | JP 968910 A EP AA | 19960123 DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1028423 | P | 19960515 | EP 96915172 A3 EP AE | 19960515 EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1028423 | P | 20000816 | EP 2000109899 A EP AC | 19960515 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1028423 | P | 20000816 | EP 807929 P EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1028423 | P | 20000816 | DE FR GB EP A1 | PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1028423 | P | 20000816 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000510 |
| EP 1028423 | P | 20001227 | EP 17Q | FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20001113 |
| EP 1030297 | P | 19951009 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1030297 | P | 19960123 | JP 95261247 A EP AA | 19951009 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1030297 | P | 19960515 | JP 968910 A EP AA | 19960123 DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1030297 | P | 19960515 | EP 96915172 A3 EP AE | 19960515 EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1030297 | P | 20000823 | EP 2000110461 A EP AC | 19960515 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1030297 | P | 20000823 | EP 807929 P EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| EP 1030297 | P | 20000823 | AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE EP AX | ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN) AL;LT;LV;SI |
| EP 1030297 | P | 20000823 | EP A1 | PUBLICATION OF APPLICATION |

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| | | | WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1030297 | P | 20000823 | EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000519 |
| EP 1031974 | P | 19951009 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 95261247 A 19951009 |
| EP 1031974 | P | 19960123 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 968910 A 19960123 |
| EP 1031974 | P | 19960515 | EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 96915172 A3 19960515 |
| EP 1031974 | P | 19960515 | EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000112310 A 19960515 |
| EP 1031974 | P | 20000830 | EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 807929 P |
| EP 1031974 | P | 20000830 | EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | | DE FR GB |
| EP 1031974 | P | 20000830 | EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 1031974 | P | 20000830 | EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000608 |
| EP 1031974 | P | 20001227 | EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20001113 |
| EP 1035693 | P | 19920925 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 A 19920925 |
| EP 1035693 | P | 19930325 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9366461 A 19930325 |
| EP 1035693 | P | 19930510 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93132984 A 19930510 |
| EP 1035693 | P | 19930924 | EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 93307575 A3 19930924 |
| EP 1035693 | P | 19930924 | EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114572 A 19930924 |
| EP 1035693 | P | 20000913 | EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 589709 P |
| EP 1035693 | P | 20000913 | EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035693 | P | 20000913 | EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1035693 | P | 20001011 | EP 17P REQUEST FOR EXAMINATION |

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| | | | FILED (PRUEFUNGSANTRAG GESTELLT) 20000714 |
| EP 1035693 | P | 20001206 | EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035693 | P | 20001206 | EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1035694 | P | 19920925 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035694 | P | 19930325 | JP 92256070 A 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035694 | P | 19930510 | JP 9366461 A 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035694 | P | 19930924 | JP 93132984 A 19930510 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1035694 | P | 19930924 | EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1035694 | P | 20000913 | EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P |
| EP 1035694 | P | 20000913 | EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035694 | P | 20000913 | EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1035694 | P | 20001011 | EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000714 |
| EP 1035694 | P | 20001206 | EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035694 | P | 20001206 | EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1035694 | P | 20001206 | EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1035695 | P | 19920925 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035695 | P | 19930325 | JP 92256070 A 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |

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| EP 1035695 | P | JP 9366461 A 19930325 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035695 | P | JP 93132984 A 19930510 19930924 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1035695 | P | EP 93307575 A3 19930924 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1035695 | P | EP 2000114575 A 19930924 20000913 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P |
| EP 1035695 | P | 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 1035695 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1035695 | P | 20001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000714 |
| EP 1035695 | P | 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 1035695 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1035695 | P | 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1035696 | P | 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035696 | P | JP 92256070 A 19920925 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035696 | P | JP 9366461 A 19930325 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035696 | P | JP 93132984 A 19930510 19930924 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1035696 | P | EP 93307575 A3 19930924 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1035696 | P | EP 2000114577 A 19930924 20000913 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P |
| EP 1035696 | P | 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |

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| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035696 | P | 20000913 EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1035696 | P | 20001011 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000714 |
| EP 1035696 | P | 20001206 EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035696 | P | 20001206 EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1035696 | P | 20001206 EP RIC1 | CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1035697 | P | 19920925 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 A 19920925 |
| EP 1035697 | P | 19930325 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9366461 A 19930325 |
| EP 1035697 | P | 19930510 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 93132984 A 19930510 |
| EP 1035697 | P | 19930924 EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 93307575 A3 19930924 |
| EP 1035697 | P | 19930924 EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114578 A 19930924 |
| EP 1035697 | P | 20000913 EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P |
| EP 1035697 | P | 20000913 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035697 | P | 20000913 EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1035697 | P | 20001011 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000714 |
| EP 1035697 | P | 20001206 EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035697 | P | 20001206 EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1035697 | P | 20001206 EP RIC1 | CLASSIFICATION (CORRECTION) |

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| | | | (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1035698 | P | 19920925 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035698 | P | JP 92256070 A 19920925 19930325 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035698 | P | JP 9366461 A 19930325 19930510 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1035698 | P | JP 93132984 A 19930510 19930924 EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1035698 | P | EP 93307575 A3 19930924 19930924 EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1035698 | P | EP 2000114579 A 19930924 20000913 EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| EP 1035698 | P | EP 589709 P 20000913 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035698 | P | 20000913 EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1035698 | P | 20001011 EP 17P 20000714 | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| EP 1035698 | P | 20001206 EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1035698 | P | 20001206 EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1035698 | P | 20001206 EP RIC1 | CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1039672 | P | 19920925 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039672 | P | JP 92256070 A 19920925 19930325 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039672 | P | JP 9366461 A 19930325 19930510 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039672 | P | JP 93132984 A 19930510 19930924 EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1039672 | P | EP 93307575 A3 19930924 19930924 EP AE | EP-APPLICATION |

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| | | | (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114576 A 19930924 |
| EP 1039672 | P | 20000927 | EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P |
| EP 1039672 | P | 20000927 | EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039672 | P | 20000927 | EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039672 | P | 20000927 | EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1039672 | P | 20001206 | EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039672 | P | 20001206 | EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039672 | P | 20001206 | EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B |
| EP 1039673 | P | 19920326 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9267934 A 19920326 |
| EP 1039673 | P | 19920925 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 A 19920925 |
| EP 1039673 | P | 19930326 | EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 93302369 A3 19930326 |
| EP 1039673 | P | 19930326 | EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114689 A 19930326 |
| EP 1039673 | P | 20000927 | EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1039673 | P | 20000927 | EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039673 | P | 20000927 | EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039673 | P | 20000927 | EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1039673 | P | 20001206 | EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL |

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| | | | PT SE | |
| EP 1039673 | P | 20001206 | EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039674 | P | 19920326 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9267934 A | 19920326 |
| EP 1039674 | P | 19920925 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 A | 19920925 |
| EP 1039674 | P | 19930326 | EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 93302369 A3 | 19930326 |
| EP 1039674 | P | 19930326 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114690 A | 19930326 |
| EP 1039674 | P | 20000927 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 562875 P | |
| EP 1039674 | P | 20000927 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1039674 | P | 20000927 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039674 | P | 20000927 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | | 20000712 | |
| EP 1039674 | P | 20001206 | EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1039674 | P | 20001206 | EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039675 | P | 19920326 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9267934 A | 19920326 |
| EP 1039675 | P | 19920925 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 A | 19920925 |
| EP 1039675 | P | 19930326 | EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 93302369 A3 | 19930326 |
| EP 1039675 | P | 19930326 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114692 A | 19930326 |
| EP 1039675 | P | 20000927 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 562875 P | |
| EP 1039675 | P | 20000927 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL | |

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| | | | PT SE | |
| EP 1039675 | P | 20000927 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039675 | P | 20000927 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | | 20000712 | |
| EP 1039675 | P | 20001206 | EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1039675 | P | 20001206 | EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039676 | P | 19920326 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9267934 A | 19920326 |
| EP 1039676 | P | 19920925 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 A | 19920925 |
| EP 1039676 | P | 19930326 | EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 93302369 A3 | 19930326 |
| EP 1039676 | P | 19930326 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114694 A | 19930326 |
| EP 1039676 | P | 20000927 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 562875 P | |
| EP 1039676 | P | 20000927 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1039676 | P | 20000927 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039676 | P | 20000927 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | | 20000712 | |
| EP 1039676 | P | 20001206 | EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1039676 | P | 20001206 | EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039677 | P | 19920326 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9267934 A | 19920326 |
| EP 1039677 | P | 19920925 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 A | 19920925 |
| EP 1039677 | P | 19930326 | EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 93302369 A3 | 19930326 |

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| EP 1039677 | P | 19930326 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114696 | A 19930326 |
| EP 1039677 | P | 20000927 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 562875 | P |
| EP 1039677 | P | 20000927 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1039677 | P | 20000927 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039677 | P | 20000927 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | | 20000712 | |
| EP 1039677 | P | 20001206 | EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1039677 | P | 20001206 | EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039678 | P | 19920326 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9267934 | A 19920326 |
| EP 1039678 | P | 19920925 | EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 | A 19920925 |
| EP 1039678 | P | 19930326 | EP AA | DIVIDED OUT OF (|
| | | | EP 93302369 | A3 19930326 |
| EP 1039678 | P | 19930326 | EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114697 | A 19930326 |
| EP 1039678 | P | 20000927 | EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 562875 | P |
| EP 1039678 | P | 20000927 | EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1039678 | P | 20000927 | EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039678 | P | 20000927 | EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) |
| | | | 20000712 | |
| EP 1039678 | P | 20001206 | EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE | |
| EP 1039678 | P | 20001206 | EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS |

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| EP 1039679 | P | (ART. 93)) 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039679 | P | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039679 | P | JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1039679 | P | EP 93302369 A3 19930326 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1039679 | P | EP 2000114698 A 19930326 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)) |
| EP 1039679 | P | EP 562875 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 1039679 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039679 | P | 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1039679 | P | 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 1039679 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039680 | P | 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039680 | P | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| EP 1039680 | P | JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| EP 1039680 | P | EP 93302369 A3 19930326 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| EP 1039680 | P | EP 2000114699 A 19930326 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)) |
| EP 1039680 | P | EP 562875 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| EP 1039680 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039680 | P | 20000927 EP 17P REQUEST FOR EXAMINATION |

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| | | | FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1039680 | P | 20001206 | EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039680 | P | 20001206 | EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039681 | P | 19920326 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9267934 A 19920326 |
| EP 1039681 | P | 19920925 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 92256070 A 19920925 |
| EP 1039681 | P | 19930326 | EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 93302369 A3 19930326 |
| EP 1039681 | P | 19930326 | EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114701 A 19930326 |
| EP 1039681 | P | 20000927 | EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P |
| EP 1039681 | P | 20000927 | EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039681 | P | 20000927 | EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039681 | P | 20000927 | EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1039681 | P | 20001206 | EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039681 | P | 20001206 | EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1039681 | P | 20001206 | EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04N 7/24 B |
| EP 1039682 | P | 19920326 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9267934 A 19920326 |
| EP 1039682 | P | 19920925 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 92256070 A 19920925 |
| EP 1039682 | P | 19930326 | EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 93302369 A3 19930326 |
| EP 1039682 | P | 19930326 | EP AE EP-APPLICATION |

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| | | | (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114702 A 19930326 |
| EP 1039682 | P | 20000927 | EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 562875 P |
| EP 1039682 | P | 20000927 | EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039682 | P | 20000927 | EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1039682 | P | 20000927 | EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1039682 | P | 20001206 | EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1039682 | P | 20001206 | EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1045541 | P | 19920326 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9267934 A 19920326 |
| EP 1045541 | P | 19920925 | EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 A 19920925 |
| EP 1045541 | P | 19930326 | EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 93302369 A3 19930326 |
| EP 1045541 | P | 19930326 | EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114700 A 19930326 |
| EP 1045541 | P | 20001018 | EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 562875 P |
| EP 1045541 | P | 20001018 | EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1045541 | P | 20001018 | EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1045541 | P | 20001018 | EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1045541 | P | 20001206 | EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1045541 | P | 20001206 | EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1049282 | P | 19920925 | EP AA PRIORITY (PATENT |

| | | APPLICATION) | (PRIORITAET | (PATENTANMELDUNG)) |
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| EP 1049282 | P | JP 92256070 A 19920925 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1049282 | P | JP 9366461 A 19930325 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1049282 | P | JP 93132984 A 19930510 19930924 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) | | |
| EP 1049282 | P | EP 93307575 A3 19930924 19930924 EP AE EP-APPLICATION (| | |
| EP 1049282 | P | EUROPAEISCHE ANMELDUNG) EP 2000114574 A 19930924 | | |
| EP 1049282 | P | 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | | |
| EP 1049282 | P | EP 589709 P 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) | | |
| EP 1049282 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 20001102 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) | | |
| EP 1049282 | P | 20001102 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 | | |
| EP 1049282 | P | 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) | | |
| EP 1049282 | P | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) | | |
| EP 1049282 | P | 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B | | |
| EP 1049283 | P | 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1049283 | P | JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1049283 | P | JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) | | |
| EP 1049283 | P | EP 93302369 A3 19930326 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) | | |
| EP 1049283 | P | EP 2000114693 A 19930326 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | | |
| EP 1049283 | P | EP 562875 P 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) | | |

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| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1049283 | P | 20001102 EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1049283 | P | 20001102 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1049283 | P | 20001206 EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1049283 | P | 20001206 EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1049284 | P | 19920326 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9267934 A 19920326 |
| EP 1049284 | P | 19920925 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 92256070 A 19920925 |
| EP 1049284 | P | 19930326 EP AA | DIVIDED OUT OF (AUSSCHIEDUNG AUS) |
| | | | EP 93302369 A3 19930326 |
| EP 1049284 | P | 19930326 EP AE | EP-APPLICATION (EUROPAEISCHE ANMELDUNG) |
| | | | EP 2000114695 A 19930326 |
| EP 1049284 | P | 20001102 EP AC | DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) |
| | | | EP 562875 P |
| EP 1049284 | P | 20001102 EP AK | DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1049284 | P | 20001102 EP A2 | PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT) |
| EP 1049284 | P | 20001102 EP 17P | REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712 |
| EP 1049284 | P | 20001206 EP AK | DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE |
| EP 1049284 | P | 20001206 EP A3 | SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93)) |
| EP 1049334 | P | 19910327 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9162798 A 19910327 |
| EP 1049334 | P | 19910425 EP AA | PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) |
| | | | JP 9195813 A 19910425 |
| EP 1049334 | P | 19910529 EP AA | PRIORITY (PATENT |

| | | APPLICATION) | (PRIORITAET | (PATENTANMELDUNG)) |
|------------|---|---|-------------|--------------------|
| EP 1049334 | P | JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1049334 | P | JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1049334 | P | JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) | | |
| EP 1049334 | P | EP 92302627 A3 19920326 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) | | |
| EP 1049334 | P | EP 96119060 A3 19920326 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) | | |
| EP 1049334 | P | EP 2000114691 A 19920326 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | | |
| EP 1049334 | P | EP 506400 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) | | |
| EP 1049334 | P | EP 766478 P 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) | | |
| EP 1049334 | P | DE FR GB NL 20001102 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) | | |
| EP 1049334 | P | 20001102 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000715 | | |
| EP 1049334 | P | 20001220 EP K1C1 CORRECTION OF PATENT APPLICATION (TITLE PAGE) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (TITELSEITE) ERSCHIENEN) 20001102 | | |
| EP 1049334 | P | 20001220 EP RPR1 PRIORITY (CORRECTION) (PRIORITAET (KORR.)) JP 19910327 6279891 ; JP 19910425 9581391 ; JP 19910529 15565091 ; JP 19910723 18223691 ; JP 19920317 6073992 | | |
| EP 1050879 | P | 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1050879 | P | JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1050879 | P | JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1050879 | P | JP 93314114 A 19931119 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1050879 | P | JP 94104879 A 19940418 19940707 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) | | |
| EP 1050879 | P | JP 94156089 A 19940707 19940727 EP AA DIVIDED OUT OF | | |

(AUSSCHIEDUNG AUS)
 EP 94305557 A3 19940727
 EP 1050879 P 19940727 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000115017 A 19940727
 EP 1050879 P 20001108 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 637016 P
 EP 1050879 P 20001108 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 BE CH DE FR GB IT LI NL
 EP 1050879 P 20001108 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)

JAPAN (JP)

Patent (No,Kind,Date): JP 5250756 A2 19930928
 RECORDER/REPRODUCER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9250328 A 19920309
 Applic (No,Kind,Date): JP 9250328 A 19920309
 IPC: * G11B-013/04; G11B-013/00
 JAPIO Reference No: ; 180014P000119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 5307788 A2 19931119
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 92111176 A 19920430
 Applic (No,Kind,Date): JP 92111176 A 19920430
 IPC: * G11B-013/04; G11B-013/00
 JAPIO Reference No: ; 180121P000165
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 5327807 A2 19931210
 TRANSMITTER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9162798 A1 19910327; JP 9195813 A1
 19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP
 9260739 A1 19920317
 Applic (No,Kind,Date): JP 9268935 A 19920327
 IPC: * H04L-027/36; H04J-003/00; H04J-011/00; H04L-027/38; H04N-007/00
 ; H04N-007/13; H04N-007/20
 JAPIO Reference No: ; 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 6036387 A2 19940210
 RECORDING/REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 92194450 A 19920722
 Applic (No,Kind,Date): JP 92194450 A 19920722
 IPC: * G11B-013/04; G11B-013/00
 JAPIO Reference No: ; 180264P000063
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 6164665 A2 19940610
 TRANSMITTER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9368545 A 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): JP 9368545 A 19930326
 IPC: * H04L-027/36; H04L-027/38; H04L-027/00; H04N-005/40; H04N-007/00
 ; H04N-007/20; H04N-011/04
 Derwent WPI Acc No: * G 93-305235; G 94-103292

JAPIO Reference No: * 180486E000144; 180486E000144
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 6180888 A2 19940628
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9334656 A 19930128; JP 9213809 A 19920129; JP 9268031 A 19920326; JP 92280874 A 19920925
 Applic (No,Kind,Date): JP 9334656 A 19930128
 IPC: * G11B-013/00; G11B-013/04; G11B-011/10
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 JAPIO Reference No: * 180522P000136; 180522P000136
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 6231509 A2 19940819
 RECORDING/REPRODUCING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO ; SHIMIZU RYOSUKE
 Priority (No,Kind,Date): JP 9363428 A 19930226; JP 9242558 A 19920228; JP 92282666 A 19921021; JP 92331300 A 19921211
 Applic (No,Kind,Date): JP 9363428 A 19930226
 IPC: * G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00; G11B-023/40
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 JAPIO Reference No: * 180618P000070; 180618P000070
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 6231510 A2 19940819
 RECORDING/REPRODUCING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO ; SHIMIZU RYOSUKE
 Priority (No,Kind,Date): JP 9392247 A 19930326; JP 9268031 A 19920326; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211
 Applic (No,Kind,Date): JP 9392247 A 19930326
 IPC: * G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00; G11B-023/40
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 JAPIO Reference No: * 180522P000136; 180618P000070; 180618P000070
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 7093962 A2 19950407
 INFORMATION RECORDING AND REPRODUCING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; TAN SATOSHI; KUWAMOTO MAKOTO
 Priority (No,Kind,Date): JP 93300723 A 19931201; JP 92321063 A 19921201; JP 938596 A 19930121; JP 93205682 A 19930727
 Applic (No,Kind,Date): JP 93300723 A 19931201
 IPC: * G11B-033/02; G11B-017/04; G11B-025/10
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 7099522 A2 19950411
 TRANSMITTER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 93261611 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Applic (No,Kind,Date): JP 93261611 A 19930924
 IPC: * H04L-027/34; H04B-001/66; H04B-014/04
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 7235097 A2 19950905
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO; YOSHIURA TSUKASA

Priority (No,Kind,Date): JP 93351425 A 19931228; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP 93333403 A 19931227; JP 93349972 A 19931227
 Applic (No,Kind,Date): JP 93351425 A 19931228
 IPC: * G11B-013/04; G11B-005/02
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 94-342258; G 95-116722; G 95-341616
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 7235098 A2 19950905
 INFORMATION RECORDING MEDIUM AND ITS MANUFACTURE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI
 Priority (No,Kind,Date): JP 93351426 A 19931228; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 9391011 A 19930419; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227
 Applic (No,Kind,Date): JP 93351426 A 19931228
 IPC: * G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/40
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722; G 95-341616; G 95-341616
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 7235099 A2 19950905
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIO; YOSHIURA TSUKASA; KAMIKADO TOSHIKAZU; TAN SATOSHI
 Priority (No,Kind,Date): JP 9422135 A 19940121; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP 93333403 A 19931227; JP 93349972 A 19931227
 Applic (No,Kind,Date): JP 9422135 A 19940121
 IPC: * G11B-013/04; G11B-020/12; G11B-020/18
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 94-342258; G 95-116722; G 95-341616
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 7249227 A2 19950926
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 94195853 A 19940727; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93349972 A 19931227; JP 9422191 A 19940120
 Applic (No,Kind,Date): JP 94195853 A 19940727
 IPC: * G11B-007/00; G11B-007/007; G11B-013/04
 Derwent WPI Acc No: * C 94-236841; G 94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G 96-062972; G 98-181451
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 7264148 A2 19951013
 TRANSMITTER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9479668 A 19940324
 Applic (No,Kind,Date): JP 9479668 A 19940324
 IPC: * H04H-001/00; H04N-007/01; H04N-007/24
 Derwent WPI Acc No: * G 95-387959; G 95-387959
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 7320333 A2 19951208
 RECORDING/REPRODUCING APPARATUS AND RECORDING MEDIUM AND ITS MANUFACTURE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI
 Priority (No,Kind,Date): JP 9422158 A 19940121; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227

Applic (No,Kind,Date): JP 9422158 A 19940121
 IPC: * G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/30
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722; G 95-341616; G 96-062972; G 96-062972
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 7322219 A2 19951208
 TRANSMITTER (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9479432 A 19940325; JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
 Applic (No,Kind,Date): JP 9479432 A 19940325
 IPC: * H04N-007/015; H04N-007/20
 Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 8212560 A2 19960820
 OPTICAL RECORDING MEDIUM AND OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): UENO FUMIAKI; OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 94327805 A 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202
 Applic (No,Kind,Date): JP 94327805 A 19941228
 IPC: * G11B-007/007; B41M-005/26; G11B-007/00; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 8212681 A2 19960820
 RECORDING/REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9516865 A 19950203
 Applic (No,Kind,Date): JP 9516865 A 19950203
 IPC: * G11B-019/04; G11B-007/00; G11B-013/04; G11B-019/02; G11B-020/10
 Derwent WPI Acc No: * G 95-373939
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 8273164 A2 19961018
 RECORDING AND REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI
 Priority (No,Kind,Date): JP 9592116 A 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516153 A 19950202
 Applic (No,Kind,Date): JP 9592116 A 19950418
 IPC: * G11B-007/00; G11B-007/007; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 10233019 A2 19980902
 OPTICAL DISK, OPTICAL DISK MANUFACTURING DEVICE AND OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): KONISHI SHINICHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO; GOTOU YOSHITOSHI; TAKEMURA YOSHIYA
 Priority (No,Kind,Date): JP 979318 A 19970122; JP 968110 A 19960122; JP 968910 A 19960123; JP 96339304 A 19961219; JP 96211304 A 19960809
 Applic (No,Kind,Date): JP 979318 A 19970122
 IPC: * G11B-007/00; G11B-007/007; G11B-007/24; G11B-020/10
 Derwent WPI Acc No: * G 97-236117; G 97-236119; G 98-363034
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 11162031 A2 19990618
 OPTICAL DISK, METHOD FOR RECORDING/REPRODUCING OPTICAL DISK DRAW INFORMATION, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING/REPRODUCING DEVICE, OPTICAL DISK DRAW INFORMATION RECORDER AND OPTICAL DISK RECORDER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): MIYATAKE NORIO; MURAKAMI MOTOYOSHI; OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 97351243 A 19971219; JP 96339304 A 19961219; JP 97259110 A 19970924
 Applic (No,Kind,Date): JP 97351243 A 19971219
 IPC: * G11B-011/10; G11B-007/00; G11B-007/007; G11B-007/24; G11B-013/00; G11B-020/10
 Derwent WPI Acc No: * G 98-363034
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000032074 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169243 A 19990616
 IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000032075 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169244 A 19990616
 IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000032076 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169245 A 19990616
 IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000032077 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169246 A 19990616
 IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000032078 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169247 A 19990616
 IPC: * H04L-027/36; H04L-027/38; H04N-007/015; H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000032079 A2 20000128
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169248 A 19990616
 IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000076659 A2 20000314
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO
 Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): JP 99257252 A 19990910
 IPC: * G11B-007/007; G11B-019/04; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000076662 A2 20000314
 OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK AND MANUFACTURE OF OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO
 Priority (No,Kind,Date): JP 99257248 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): JP 99257248 A 19990910
 IPC: * G11B-007/085; G11B-007/004; G11B-007/24; G11B-019/04; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000076705 A2 20000314
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO
 Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): JP 99257245 A 19990910

IPC: * G11B-007/24; G11B-019/04; G11B-020/10; G11B-027/28
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000076791 A2 20000314
 OPTICAL DISK, OPTICAL DISK RECORDING METHOD AND OPTICAL DISK
 REPRODUCING DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
 KOISHI KENJI; MORIYA MITSURO
 Priority (No,Kind,Date): JP 99257247 A 19990910; JP 95261247 A
 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): JP 99257247 A 19990910
 IPC: * G11B-020/10; G11B-007/007; G11B-020/12; G11B-020/18
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000078222 A2 20000314
 TRANSMITTER, RECEIVER, TRANSMITTING DEVICE, TRANSMISSION METHOD AND
 RECEPTION METHOD (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99200091 A 19990714; JP 9162798 A
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99200091 A 19990714
 IPC: * H04L-027/34; H04J-003/00; H04J-015/00; H04L-027/36; H04L-027/38
 ; H04N-007/08; H04N-007/081
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000106579 A2 20000411
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99289582 A 19991012; JP 9162798 A
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99289582 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000106580 A2 20000411
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99289583 A 19991012; JP 9162798 A
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99289583 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000106581 A2 20000411
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99289584 A 19991012; JP 9162798 A
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99289584 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000106582 A2 20000411
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99289585 A 19991012; JP 9162798 A
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99289585 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000106583 A2 20000411
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99289586 A 19991012; JP 9162798 A
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99289586 A 19991012
 IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015
 Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
 2000-184729; G 2000-184730; G 2000-184731
 JAPIO Reference No: * 180152E000002
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000222729 A2 20000811
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
 19960123
 Applic (No,Kind,Date): JP 99257251 A 19990910
 IPC: * G11B-007/004; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000222739 A2 20000811
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
 19960123
 Applic (No,Kind,Date): JP 99257250 A 19990910
 IPC: * G11B-007/005; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000222743 A2 20000811
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
 19960123
 Applic (No,Kind,Date): JP 99375209 A 19991228
 IPC: * G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10;
 G11B-020/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000222782 A2 20000811
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
 19960123
 Applic (No,Kind,Date): JP 99257246 A 19990910
 IPC: * G11B-007/24; G11B-007/004; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000222783 A2 20000811
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
 19960123
 Applic (No,Kind,Date): JP 99257249 A 19990910
 IPC: * G11B-007/24; G11B-007/007; G11B-020/10
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000228016 A2 20000815
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
 Applic (No,Kind,Date): JP 99373899 A 19990101
 IPC: * G11B-007/007; G06F-012/14; G11B-019/04; G11B-020/10; G11B-020/12
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000228062 A2 20000815
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
 Applic (No,Kind,Date): JP 99373900 A 19990101
 IPC: * G11B-020/10; G06K-019/06; G06K-019/04; G11B-007/0045
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 2000299677 A2 20001024
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): JP 20002000085410 A 20000101
 IPC: * H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507
 JAPIO Reference No: * 180486E000144
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3008651 B2 20000214
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9268935 A 19920327; JP 9162798 A1 19910327; JP 9195813 A1 19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP 9260739 A1 19920317
 Applic (No,Kind,Date): JP 9268935 A 19920327
 IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20; H04N-007/24
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3042780 B2 20000522
 Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): JP 99257245 A 19990910
 IPC: * G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3042781 B2 20000522
 Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): JP 99257252 A 19990910
 IPC: * G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/005; G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3061053 B2 20000710
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169243 A 19990616
 IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3061054 B2 20000710
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169244 A 19990616
 IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3061055 B2 20000710
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169245 A 19990616
 IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3061056 B2 20000710
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169248 A 19990616
 IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3089599 B2 20000918
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): JP 99257246 A 19990910
 IPC: * G11B-007/24; G11B-007/004; G11B-007/007; G11B-020/10
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3089600 B2 20000918
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): JP 99257249 A 19990910
 IPC: * G11B-007/24; G11B-007/007; G11B-020/10
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3089601 B2 20000918
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): JP 99257250 A 19990910
 IPC: * G11B-007/005; G11B-020/10
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3092620 B2 20000925
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169246 A 19990616
 IPC: * H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3092621 B2 20000925
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP

91182236 A 19910723; JP 9260739 A 19920317
 Applic (No,Kind,Date): JP 99169247 A 19990616
 IPC: * H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3097914 B2 20001010
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI;
 KOISHI KENJI; MORYA MITSURO
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
 19960123
 Applic (No,Kind,Date): JP 99257251 A 19990910
 IPC: * G11B-007/004; G11B-007/26; G11B-020/10
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3097916 B2 20001010
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI; GOTO YOSHITOSHI; TANAKA SHINICHI;
 KOISHI KENJI; MORYA MITSURO
 Priority (No,Kind,Date): JP 99375208 A 19991228; JP 95261247 A
 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): JP 99375208 A 19991228
 IPC: * G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12
 Language of Document: Japanese
 Patent (No,Kind,Date): JP 3097917 B2 20001010
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OOSHIMA MITSUAKI; GOTO YOSHITOSHI; TANAKA SHINICHI;
 KOISHI KENJI; MORYA MITSURO
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
 19960123
 Applic (No,Kind,Date): JP 99375209 A 19991228
 IPC: * G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10;
 G11B-020/12
 Language of Document: Japanese

KOREA, REPUBLIC (KR)

Patent (No,Kind,Date): KR 161051 B1 19990115
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): MITSUAKI OSHIMA (JP)
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A
 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
 Applic (No,Kind,Date): KR 946012 A 19940325
 IPC: * H04N-007/12
 Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
 Language of Document: Korean
 Patent (No,Kind,Date): KR 195398 B1 19990615
 RECORDING/REPRODUCING APPARATUS AND MEDIUM AND PRODUCTION METHOD
 (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OHSIMA MITSEUAKI (JP); KOMODA HIDEAKI (JP);
 USIGOME HISASI (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): KR 941111 A 19940121
 IPC: * G11B-011/00
 Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
 95-116722; G 95-341616; G 96-062972; G 98-181451
 Language of Document: Korean
 Patent (No,Kind,Date): KR 217013 B1 19991001
 RECORDING AND REPRODUCING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITZAKI (JP); SHIMIZ RYOOSKI (JP); KOUDO
 DOSHIKAZ (JP); YOSHIHURA SKASHA (JP); MASURA TAKUMI (JP); DANAKA
 MICHIO (JP); DAN SADOSHI (JP)
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
 93297504 A 19931102; JP 93314114 A 19931119
 Applic (No,Kind,Date): KR 941112 A 19940121

IPC: * G11B-011/00

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: Korean

Patent (No,Kind,Date): KR 237555 B1 20000201

RECORDING/REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 94104879 A 19940418; JP 94156089 A 19940707

Applic (No,Kind,Date): KR 9418308 A 19940727

IPC: * G11B-007/00

Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451

Language of Document: Korean

Patent (No,Kind,Date): KR 9602468 B1 19960217

TRANSMITTER (English)

Patent Assignee: MATSUSITA ELECTRIC IND K K (JP)

Author (Inventor): OOSIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): KR 934766 A 19930326

IPC: * H04L-027/36

Derwent WPI Acc No: * G 93-305235; G 94-103292

JAPIO Reference No: * 180486E000144

Language of Document: Korean

Patent (No,Kind,Date): KR 9602703 B1 19960224

SIGNAL TRANSMISSION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND K K (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723

Applic (No,Kind,Date): KR 924913 A 19920326

IPC: * H04N-007/12

Derwent WPI Acc No: * G 92-325674

JAPIO Reference No: * 180152E000002

Language of Document: Korean

SINGAPORE (SG)

Patent (No,Kind,Date): SG 5400982 A1 19981221

RECORDING AND REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; KOUDO TOSHIKAZU; YOSHIURA TSUKASA; MATSUURA TAKUMI; TANAKA MITIRO; TAN SATOSHI

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): SG 9502048 A 19940119

IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02 ; G11B-023/00

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): SG 7100102 A1 20000321

INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): SG 9800735 A 19940119

IPC: * G11B-019/02; G11B-007/007

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): SG 7100103 A1 20000321

INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119
Applic (No,Kind,Date): SG 9800736 A 19940119
IPC: * G11B-019/02; G11B-007/007
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451
Language of Document: English

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5473584 A 19951205
RECORDING AND REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): US 281337 A 19940727; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
94104879 A 19940418; JP 94156089 A 19940707; US 184117 A2
19940121; US 9709 A2 19930127
Applic (No,Kind,Date): US 281337 A 19940727
National Class: * 369032000; 369047000; 369054000
IPC: * G11B-017/22
Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
96-062972; G 98-181451
JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070
Language of Document: English
Patent (No,Kind,Date): US 5526328 A 19960611
RECORDING AND REPRODUCING APPARATUS WITH VARYING AMOUNTS OF DATA IN
DIFFERENT TRACKS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);
TANAKA MICHIO (JP); TAN SATOSHI (JP)
Priority (No,Kind,Date): US 184117 A 19940121; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; US
9709 A2 19930127
Applic (No,Kind,Date): US 184117 A 19940121
National Class: * 369013000; 369032000
IPC: * G11B-011/00
Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451
JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070
Language of Document: English
Patent (No,Kind,Date): US 5555275 A 19960910
MULTI-THRESHOLD AND HIERARCHICAL TELEVISION SIGNAL TRANSMISSION SYSTEM
Multi-threshold and hierarchical television signal transmission
system (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): US 417269 A 19950405; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317; US 857627 B1
19920325
Applic (No,Kind,Date): US 417269 A 19950405

National Class: * 375261000; 375298000; 375324000; 332103000;
 329304000; 348724000; 348726000
 IPC: * H04L-005/12; H04L-023/02; H04L-027/22; H04L-027/20
 Derwent WPI Acc No: * G 92-325674; G 97-195354
 JAPIO Reference No: * 180152E000002
 Language of Document: English
 Patent (No,Kind,Date): US 5600672 A 19970204
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); SAKASHITA SEIJI (JP)
 Priority (No,Kind,Date): US 240521 A 19940510; JP 9162798 A
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
 91182236 A 19910723; JP 9260739 A 19920317; JP 93132984 A
 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227; JP
 9479668 A 19940324; US 857627 A2 19920325
 Applic (No,Kind,Date): US 240521 A 19940510
 National Class: * 375219000; 375270000; 375301000; 375321000
 IPC: * H04L-005/16; H04B-001/38
 Derwent WPI Acc No: * G 92-325674; G 94-103292; G 94-311606; G
 94-342258; G 95-387959; G 97-195354
 JAPIO Reference No: * 180152E000002
 Language of Document: English
 Patent (No,Kind,Date): US 5682360 A 19971028
 RECORDING AND REPRODUCING APPARATUS FOR USE WITH A RECORDING MEDIUM
 HAVING AN OPTICAL RECORDING LAYER AND MAGNETIC RECORDING LAYER
 (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A
 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP
 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A
 19920925
 Applic (No,Kind,Date): US 9709 A 19930127
 National Class: * 369013000; 360059000; 360114000
 IPC: * G11B-011/00; G11B-005/127
 Derwent WPI Acc No: * G 93-251292; G 93-313529
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
 180522P000136; 180618P000070
 Language of Document: English
 Patent (No,Kind,Date): US 5699331 A 19971216
 APPARATUS OPERATING WITH RECORDING MEDIUM ACCORDING TO POSITIONAL
 INFORMATION OF A SECRET CODE (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): US 534771 A 19950927; JP 9213809 A
 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
 94104879 A 19940418; JP 94156089 A 19940707; US 281337 A3
 19940727; US 184117 A2 19940121; US 9709 A2 19930127
 Applic (No,Kind,Date): US 534771 A 19950927
 Addnl Info: 5473584 Patented; 5526328 Patented
 National Class: * 369032000; 369047000; 369054000
 IPC: * G11B-017/22
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
 96-062972; G 98-181451
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
 180522P000136; 180618P000070
 Language of Document: English
 Patent (No,Kind,Date): US 5761301 A 19980602
 MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK,
 REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL
 DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009
 Applic (No,Kind,Date): US 560015 A 19951117
 National Class: * 380004000; 369272000; 235494000
 IPC: * H04K-001/00
 Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): US 5802241 A 19980901
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): US 706376 A 19960830; JP 9267934 A 19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227; US 217895 B1 19940325; US 126589 A2 19930927; US 37108 A2 19930325
 Applic (No,Kind,Date): US 706376 A 19960830
 National Class: * 386046000; 348723000
 IPC: * H04N-005/91; H04N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): US 5805551 A 19980908
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
 Priority (No,Kind,Date): US 845794 A 19970425; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203; US 423668 A3 19950418; US 281337 A2 19940727
 Applic (No,Kind,Date): US 845794 A 19970425
 Addnl Info: 5473584 19951205 Patented
 National Class: * 369059000; 369047000; 369048000; 369058000; 360048000
 IPC: * G11B-007/00
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785
 Language of Document: English
 Patent (No,Kind,Date): US 5807640 A 19980915
 OPTICAL RECORDING MEDIUM, REPRODUCING SYSTEM, METHOD OF REPRODUCING OPTICAL DISK, METHOD OF FABRICATING OPTICAL DISK ORIGINAL RECORD, AND METHOD OF STOPPING ILLEGAL PROGRAM OPERATION (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202; WO 94JP2304 W 19941228
 Applic (No,Kind,Date): US 507495 A 19950828
 National Class: * 428064100; 428064200; 428064400; 428913000; 369275100; 369284000
 IPC: * B32B-003/00
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939
 Language of Document: English
 Patent (No,Kind,Date): US 5819000 A 19981006
 MAGNETIC RECORDING AND PLAYBACK APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): US 37108 A 19930325
 National Class: * 386046000; 348723000
 IPC: * H04N-005/91; H04N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292
 JAPIO Reference No: * 180486E000144
 Language of Document: English

Patent (No,Kind,Date): US 5881038 A 19990309
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL
 INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
 Priority (No,Kind,Date): US 423668 A 19950418; JP 94104879 A
 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP
 9515318 A 19950201; JP 9516865 A 19950203; US 281337 A2
 19940727
 Applic (No,Kind,Date): US 423668 A 19950418
 National Class: * 369059000; 369084000; 369058000; 369054000;
 369047000
 IPC: * G11B-007/00
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
 96-268785
 Language of Document: English
 Patent (No,Kind,Date): US 5892879 A 19990406
 COMMUNICATION SYSTEM FOR PLURAL DATA STREAMS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): US 126589 A 19930927; JP 9267934 A
 19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP
 93132984 A 19930510; US 37108 A2 19930325
 Applic (No,Kind,Date): US 126589 A 19930927
 National Class: * 386046000; 348726000
 IPC: * H04N-005/91; H04N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): US 5959948 A 19990928
 RECORDING AND REPRODUCING APPARATUS (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): US 970162 A 19971113; JP 9213809 A
 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
 93349972 A 19931227; JP 94104879 A 19940418; JP 94156089 A
 19940707; US 534771 A1 19950927; US 281337 A3 19940727; US 184117
 A2 19940121; US 9709 A2 19930127
 Applic (No,Kind,Date): US 970162 A 19971113
 Addnl Info: 5699331 Patented; 5473584 Patented; 5526328 Patented
 National Class: * 369032000; 369047000; 369054000
 IPC: * G11B-017/22
 Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
 94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G
 95-373939; G 96-062972; G 98-181451
 JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
 180522P000136; 180618P000070
 Language of Document: English
 Patent (No,Kind,Date): US 5999569 A 19991207
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): US 61979 A 19980417; JP 9267934 A
 19920326; JP 92256070 A 19920925; US 37108 A3 19930325
 Applic (No,Kind,Date): US 61979 A 19980417
 Addnl Info: 5819000 Patented
 National Class: * 375265000; 348608000; 348607000; 348726000
 IPC: * H04L-027/28; H04L-005/12; H04L-023/02
 Derwent WPI Acc No: * G 93-305235; G 94-103292
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): US 6049651 A 20000411
 COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): US 64147 A 19980422; JP 9267934 A 19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; US 126589 A3 19930927; US 37108 A1 19930325
 Applic (No,Kind,Date): US 64147 A 19980422
 Addnl Info: 5892879 Patented; 5819000 Patented
 National Class: * 386046000; 386123000; 348726000
 IPC: * H04N-005/91; H04N-007/015; H04N-005/38
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): US 6052465 A 20000418
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
 Applic (No,Kind,Date): US 649411 A 19960516
 National Class: * 380004000
 IPC: * H04L-009/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): US 6081785 A 20000627
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; WO 96JP2924 W 19961008
 Applic (No,Kind,Date): US 849468 A 19970609
 National Class: * 705001000; 380201000; 369272000
 IPC: * H04K-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): US 6122373 A 20000919
 OPTICAL DISK, OPTICAL DISK BARCODE FORMING METHOD, OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): US 404506 A 19990923; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A3 19960516
 Applic (No,Kind,Date): US 404506 A 19990923
 National Class: * 380004000
 IPC: * H04L-009/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): US 6125181 A 20000926
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): US 404639 A 19990923; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A3 19960516
 Applic (No,Kind,Date): US 404639 A 19990923

National Class: * 380002000
 IPC: * H04K-001/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): US 6128388 A 20001003
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
 MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): US 401114 A 19990922; JP 95261247 A
 19951009; JP 968910 A 19960123; US 649411 A3 19960516
 Applic (No,Kind,Date): US 401114 A 19990922
 National Class: * 380059000
 IPC: * H04L-009/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): US 6141419 A 20001031
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
 MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): US 441338 A 19991116; JP 95261247 A
 19951009; JP 968910 A 19960123; US 649411 A1 19960516
 Applic (No,Kind,Date): US 441338 A 19991116
 National Class: * 380004000
 IPC: * H04L-009/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): US 6144742 A 20001107
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
 MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): US 401669 A 19990922; US 649411 A3
 19960516
 Applic (No,Kind,Date): US 401669 A 19990922
 Addnl Info: 6052465 Patented
 National Class: * 380004000
 IPC: * H04L-009/00
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

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| | | | APPLICATION | (ENTSPRICHT PCT ANMELDUNG) |
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| US 5473584 | P | 19941207 | US AS02 | ASSIGNMENT OF ASSIGNOR'S INTEREST |
| | | | MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. | |
| | | | 1006, OAZA KADOMA KADOMA-SHI, OSAKA, JA ; | |
| | | | OSHIMA, MITSUAKI : 19940906 | |
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| | | | MITSUSHITA ELECTRIC INDUSTRIAL CO., LTD. | |
| | | | 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ; | |

OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE
 : 19940317; KOUDO, TOSHIKAZU : 19940317;
 YOSHIURA, TSUKASA : 19940317; MAT : 19940317;
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 OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE
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 MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
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 19960910
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INTEREST

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006
OAZA KADOMA, KADOMA-SHI OSAKA 571, ; UENO,
FUMIAKI : 19950801; OSHIMA, MITSUAKI :
19950801

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| | | | INTEREST | |
| | | | MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. | |
| | | | 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ; | |
| | | | OSHIMA, MITSUAKI : 19930413 | |
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| US 5819000 | P | 19990914 | US CC | CERTIFICATE OF CORRECTION |
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| US 5881038 | P | 19940727 | US AA | PRIORITY |
| | | | US 281337 | A2 19940727 |
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| | | | INTEREST | |
| | | | MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006 | |
| | | | OAZA KADOMA KADOMA-SHI, OSAKA 571, ; OSHIMA, | |
| | | | MITSUAKI : 19950412; GOTOH, YOSHIHO : | |
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| | | | INTEREST | |
| | | | MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. | |
| | | | 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ; | |
| | | | OSHIMA, MITSUAKI : 19931013 | |
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| | | JP 93349972 | A | 19931227 |
| US 5959948 | P | 19940121 | US AA | PRIORITY |
| | | US 184117 | A2 | 19940121 |
| US 5959948 | P | 19940418 | US AA | PRIORITY (PATENT) |
| | | JP 94104879 | A | 19940418 |
| US 5959948 | P | 19940707 | US AA | PRIORITY (PATENT) |
| | | JP 94156089 | A | 19940707 |
| US 5959948 | P | 19940727 | US AA | PRIORITY |
| | | US 281337 | A3 | 19940727 |
| US 5959948 | P | 19950927 | US AA | PRIORITY |
| | | US 534771 | A1 | 19950927 |
| US 5959948 | P | 19971113 | US AE | APPLICATION DATA (PATENT) |
| | | (APPL. DATA (PATENT)) | | |
| | | US 970162 | A | 19971113 |
| US 5959948 | P | 19990928 | US A | PATENT |
| US 5959948 | P | 20001114 | US CC | CERTIFICATE OF CORRECTION |
| US 5999569 | P | 19920326 | US AA | PRIORITY (PATENT) |
| | | JP 9267934 | A | 19920326 |
| US 5999569 | P | 19920925 | US AA | PRIORITY (PATENT) |
| | | JP 92256070 | A | 19920925 |
| US 5999569 | P | 19930325 | US AA | PRIORITY |
| | | US 37108 | A3 | 19930325 |
| US 5999569 | P | 19980417 | US AE | APPLICATION DATA (PATENT) |
| | | (APPL. DATA (PATENT)) | | |
| | | US 61979 | A | 19980417 |
| US 5999569 | P | 19991207 | US A | PATENT |
| US 6049651 | P | 19920326 | US AA | PRIORITY (PATENT) |
| | | JP 9267934 | A | 19920326 |
| US 6049651 | P | 19920925 | US AA | PRIORITY (PATENT) |
| | | JP 92256070 | A | 19920925 |
| US 6049651 | P | 19930325 | US AA | PRIORITY (PATENT) |
| | | JP 9366461 | A | 19930325 |
| US 6049651 | P | 19930325 | US AA | PRIORITY |
| | | US 37108 | A1 | 19930325 |
| US 6049651 | P | 19930927 | US AA | PRIORITY |
| | | US 126589 | A3 | 19930927 |
| US 6049651 | P | 19980422 | US AE | APPLICATION DATA (PATENT) |
| | | (APPL. DATA (PATENT)) | | |
| | | US 64147 | A | 19980422 |
| US 6049651 | P | 20000411 | US A | PATENT |
| US 6052465 | P | 19951009 | US AA | PRIORITY (PATENT) |
| | | JP 95261247 | A | 19951009 |
| US 6052465 | P | 19960123 | US AA | PRIORITY (PATENT) |
| | | JP 968910 | A | 19960123 |
| US 6052465 | P | 19960516 | US AE | APPLICATION DATA (PATENT) |

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| | | US 649411 | A | 19960516 |
| US 6052465 | P | 20000418 | US A | PATENT |
| US 6081785 | P | 19951009 | US AA | PRIORITY (PATENT) |
| | | JP 95261247 | A | 19951009 |
| US 6081785 | P | 19960123 | US AA | PRIORITY (PATENT) |
| | | JP 968910 | A | 19960123 |
| US 6081785 | P | 19960809 | US AA | PRIORITY (PATENT) |
| | | JP 96211304 | A | 19960809 |
| US 6081785 | P | 19961008 | US AA | PCT-APPLICATION (PCT-APPL.) |
| | | WO 96JP2924 | W | 19961008 |
| US 6081785 | P | 19970609 | US AE | APPLICATION DATA (PATENT) |
| | | | (APPL. DATA (PATENT)) | |
| | | US 849468 | A | 19970609 |
| US 6081785 | P | 20000627 | US A | PATENT |
| US 6122373 | P | 19951009 | US AA | PRIORITY (PATENT) |
| | | JP 95261247 | A | 19951009 |
| US 6122373 | P | 19960123 | US AA | PRIORITY (PATENT) |
| | | JP 968910 | A | 19960123 |
| US 6122373 | P | 19960516 | US AA | PRIORITY |
| | | US 649411 | A3 | 19960516 |
| US 6122373 | P | 19990923 | US AE | APPLICATION DATA (PATENT) |
| | | | (APPL. DATA (PATENT)) | |
| | | US 404506 | A | 19990923 |
| US 6122373 | P | 20000919 | US A | PATENT |
| US 6125181 | P | 19951009 | US AA | PRIORITY (PATENT) |
| | | JP 95261247 | A | 19951009 |
| US 6125181 | P | 19960123 | US AA | PRIORITY (PATENT) |
| | | JP 968910 | A | 19960123 |
| US 6125181 | P | 19960516 | US AA | PRIORITY |
| | | US 649411 | A3 | 19960516 |
| US 6125181 | P | 19990923 | US AE | APPLICATION DATA (PATENT) |
| | | | (APPL. DATA (PATENT)) | |
| | | US 404639 | A | 19990923 |
| US 6125181 | P | 20000926 | US A | PATENT |
| US 6128388 | P | 19951009 | US AA | PRIORITY (PATENT) |
| | | JP 95261247 | A | 19951009 |
| US 6128388 | P | 19960123 | US AA | PRIORITY (PATENT) |
| | | JP 968910 | A | 19960123 |
| US 6128388 | P | 19960516 | US AA | PRIORITY |
| | | US 649411 | A3 | 19960516 |
| US 6128388 | P | 19990922 | US AE | APPLICATION DATA (PATENT) |
| | | | (APPL. DATA (PATENT)) | |
| | | US 401114 | A | 19990922 |
| US 6128388 | P | 20001003 | US A | PATENT |
| US 6141419 | P | 19951009 | US AA | PRIORITY (PATENT) |
| | | JP 95261247 | A | 19951009 |
| US 6141419 | P | 19960123 | US AA | PRIORITY (PATENT) |
| | | JP 968910 | A | 19960123 |
| US 6141419 | P | 19960516 | US AA | PRIORITY |
| | | US 649411 | A1 | 19960516 |
| US 6141419 | P | 19991116 | US AE | APPLICATION DATA (PATENT) |
| | | | (APPL. DATA (PATENT)) | |
| | | US 441338 | A | 19991116 |
| US 6141419 | P | 20001031 | US A | PATENT |
| US 6144742 | P | 19960516 | US AA | PRIORITY |
| | | US 649411 | A3 | 19960516 |
| US 6144742 | P | 19990922 | US AE | APPLICATION DATA (PATENT) |
| | | | (APPL. DATA (PATENT)) | |
| | | US 401669 | A | 19990922 |
| US 6144742 | P | 20001107 | US A | PATENT |

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9518443 A1 19950706

OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
 REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL
 DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD

(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202
Applic (No,Kind,Date): WO 94JP2304 A 19941228
Designated States: (National) CN; KR; US (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
Filing Details: WO 100000 With international search report
IPC: * G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 95-246541

Language of Document: Japanese

Patent (No,Kind,Date): WO 9528704 A1 19951026
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO
Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203
Applic (No,Kind,Date): WO 95JP760 A 19950418
Designated States: (National) CN; KR (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
Filing Details: WO 120000 With international search report; With amended claims and statement
IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06; G11B-007/09
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785; G 95-373939

Language of Document: Japanese

Patent (No,Kind,Date): WO 9616401 A1 19960530
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009
Applic (No,Kind,Date): WO 95JP2339 A 19951116
Designated States: (National) CN; JP; KR; MX (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
Filing Details: WO 100000 With international search report
IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12
Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G 97-236119; G 96-268785

Language of Document: Japanese

Patent (No,Kind,Date): WO 9714144 A1 19970417
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): WO 96JP2924 A 19961008
Designated States: (National) CN; JP; KR; US (Regional) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
Filing Details: WO 100000 With international search report
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119; G

97-236117

Language of Document: Japanese
Patent (No,Kind,Date): WO 9714146 A1 19970417
OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK
REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR
OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applic (No,Kind,Date): WO 96JP1303 A 19960515
Designated States: (National) CN; JP; KR; MX; SG; VN (Regional) AT;
BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
Filing Details: WO 100000 With international search report
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119; G
97-236119

Language of Document: Japanese
Patent (No,Kind,Date): WO 9827553 A1 19980625
OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE
INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING
DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR
RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK
RECORDING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI
(JP); KONISHI SHINICHI (JP); TANAKA SHIN ICHI (JP); KOISHI KENJI
(JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA
YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP);
TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP);
GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP);
MURAKAMI MOTOYOSHI (JP)
Priority (No,Kind,Date): JP 96339304 A 19961219; JP 979318 A
19970122; JP 97259110 A 19970924
Applic (No,Kind,Date): WO 97JP4664 A 19971217
Designated States: (National) CN; KR; US (Regional) AT; BE; CH; DE;
DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
Filing Details: WO 120000 With international search report; With
amended claims and statement
IPC: * G11B-011/10; G11B-007/00; G06F-012/14
Derwent WPI Acc No: * G 98-363034; G 98-363034
Language of Document: Japanese

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):

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| WO 9518443 | P | 19940120 | WO AA | PRIORITY (PATENT) |
| | | | JP 9422191 A | 19940120 |
| WO 9518443 | P | 19940418 | WO AA | PRIORITY (PATENT) |
| | | | JP 94104879 A | 19940418 |
| WO 9518443 | P | 19940707 | WO AA | PRIORITY (PATENT) |
| | | | JP 94156089 A | 19940707 |
| WO 9518443 | P | 19941202 | WO AA | PRIORITY (PATENT) |
| | | | JP 94299508 A | 19941202 |
| WO 9518443 | P | 19941228 | WO AE | APPLICATION DATA (APPL. DATA) |
| | | | WO 94JP2304 A | 19941228 |
| WO 9518443 | P | 19950706 | WO AK | DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) |
| | | | CN KR US | |
| WO 9518443 | P | 19950706 | WO AL | DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A |

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| WO 9518443 | P | 19950706 | WO A1 | PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT) |
| WO 9518443 | P | 19950828 | WO ENP | ENTRY INTO THE NATIONAL PHASE IN: US 507495 A 19950828 |
| WO 9518443 | P | 19950920 | WO 121 | EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1)) |
| WO 9528704 | P | 19940418 | WO AA | PRIORITY (PATENT) |
| | | | JP 94104879 A | 19940418 |
| WO 9528704 | P | 19941117 | WO AA | PRIORITY (PATENT) |
| | | | JP 94283415 A | 19941117 |
| WO 9528704 | P | 19941228 | WO AA | PRIORITY (PATENT) |
| | | | JP 94327963 A | 19941228 |
| WO 9528704 | P | 19950201 | WO AA | PRIORITY (PATENT) |
| | | | JP 9515318 A | 19950201 |
| WO 9528704 | P | 19950203 | WO AA | PRIORITY (PATENT) |
| | | | JP 9516865 A | 19950203 |
| WO 9528704 | P | 19950418 | WO AE | APPLICATION DATA (APPL. DATA) |
| | | | WO 95JP760 A | 19950418 |
| WO 9528704 | P | 19951026 | WO AK | DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) |
| | | | CN KR | |
| WO 9528704 | P | 19951026 | WO AL | DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT | |
| | | | SE | |
| WO 9528704 | P | 19951026 | WO A1 | PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT) |
| WO 9528704 | P | 19960110 | WO 121 | EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1)) |
| WO 9616401 | P | 19941117 | WO AA | PRIORITY (PATENT) |
| | | | JP 94283415 A | 19941117 |
| WO 9616401 | P | 19950202 | WO AA | PRIORITY (PATENT) |
| | | | JP 9516153 A | 19950202 |
| WO 9616401 | P | 19951009 | WO AA | PRIORITY (PATENT) |
| | | | JP 95261247 A | 19951009 |
| WO 9616401 | P | 19951116 | WO AE | APPLICATION DATA (APPL. DATA) |
| | | | WO 95JP2339 A | 19951116 |
| WO 9616401 | P | 19960530 | WO AK | DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) |
| | | | CN JP KR MX | |
| WO 9616401 | P | 19960530 | WO AL | DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) |
| | | | AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT | |
| | | | SE | |
| WO 9616401 | P | 19960530 | WO A1 | PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE |

INTERNATIONAL SEARCH REPORT (PUB. OF THE
INTERNATIONAL APPL. WITH THE INTERNATIONAL
SEARCH REPORT)

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| WO 9616401 | P | 19960828 | WO 121 | EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1)) |
| WO 9714144 | P | 19951009 | WO AA | PRIORITY (PATENT) |
| | | | JP 95261247 A | 19951009 |
| WO 9714144 | P | 19960123 | WO AA | PRIORITY (PATENT) |
| | | | JP 968910 A | 19960123 |
| WO 9714144 | P | 19960809 | WO AA | PRIORITY (PATENT) |
| | | | JP 96211304 A | 19960809 |
| WO 9714144 | P | 19961008 | WO AE | APPLICATION DATA (APPL. DATA) |
| | | | WO 96JP2924 A | 19961008 |
| WO 9714144 | P | 19970417 | WO AK | DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) |
| | | | CN JP KR US | |
| WO 9714144 | P | 19970417 | WO AL | DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) |
| | | | AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE | |
| WO 9714144 | P | 19970417 | WO A1 | PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT) |
| WO 9714144 | P | 19970609 | WO ENP | ENTRY INTO THE NATIONAL PHASE IN: |
| | | | US 849468 A | 19970609 |
| WO 9714144 | P | 19970806 | WO 121 | EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1)) |
| WO 9714146 | P | 19951009 | WO AA | PRIORITY (PATENT) |
| | | | JP 95261247 A | 19951009 |
| WO 9714146 | P | 19960123 | WO AA | PRIORITY (PATENT) |
| | | | JP 968910 A | 19960123 |